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O I P E J C
SEP 0 8 2003
PATENT & TRADE

REPLACEMENT SHEET

APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY	DRAFTSMAN	

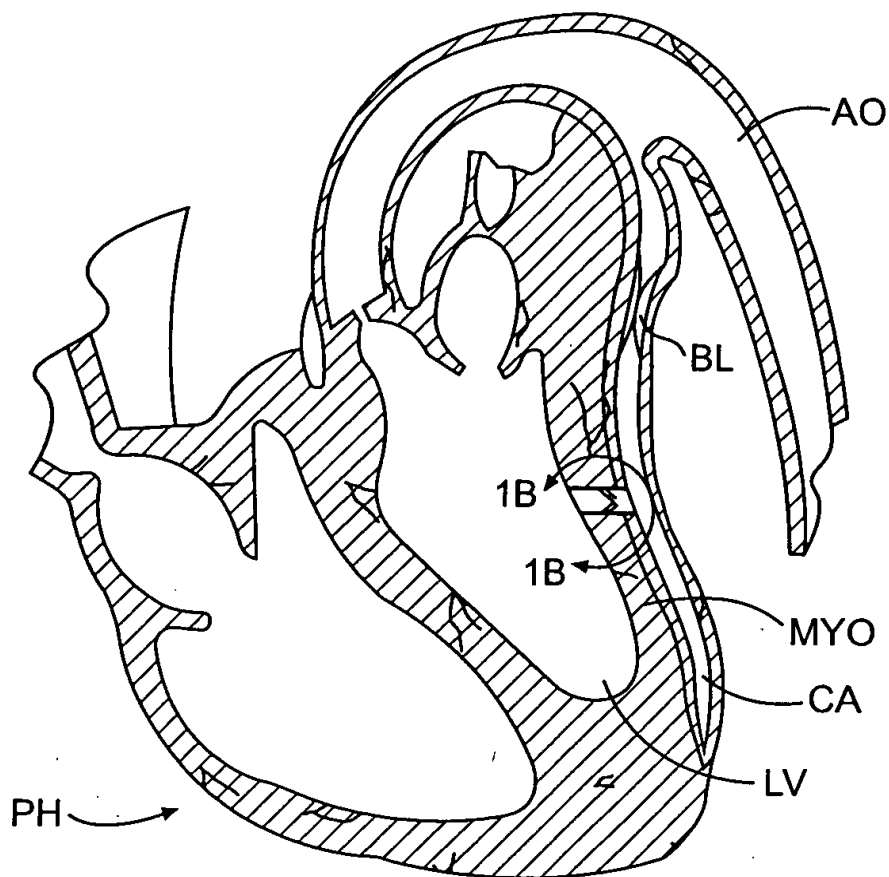


FIG. 1A

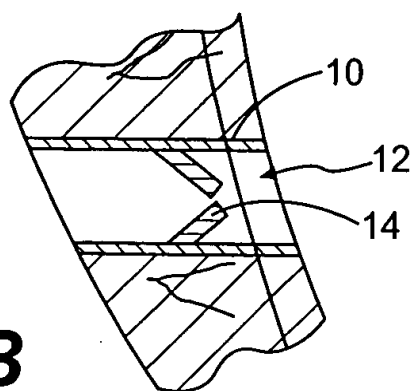


FIG. 1B

SEP 08 2000
PATENT & TRADEMARK

REPLACEMENT SHEET

APPROVED	FIG.	CLASS	SUBCLASS
BY			
ATTORNEY			

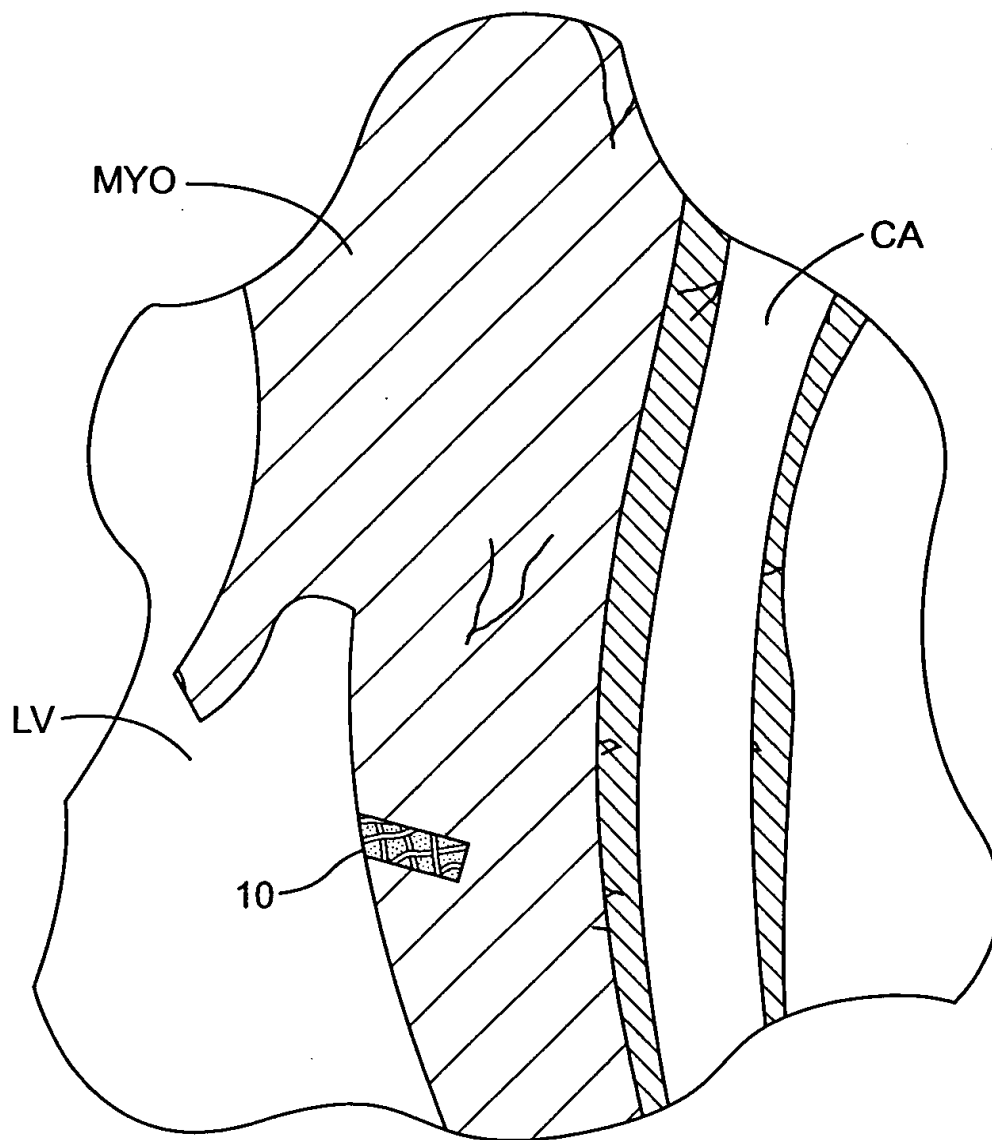


FIG. 2

ORIGINAL
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PATENT & TRADEMARK OFFICE

REPLACEMENT SHEET

APPROVED	O.G. FIG.	CLASS	SUBCLASS
BY			
DRAFTSMAN			

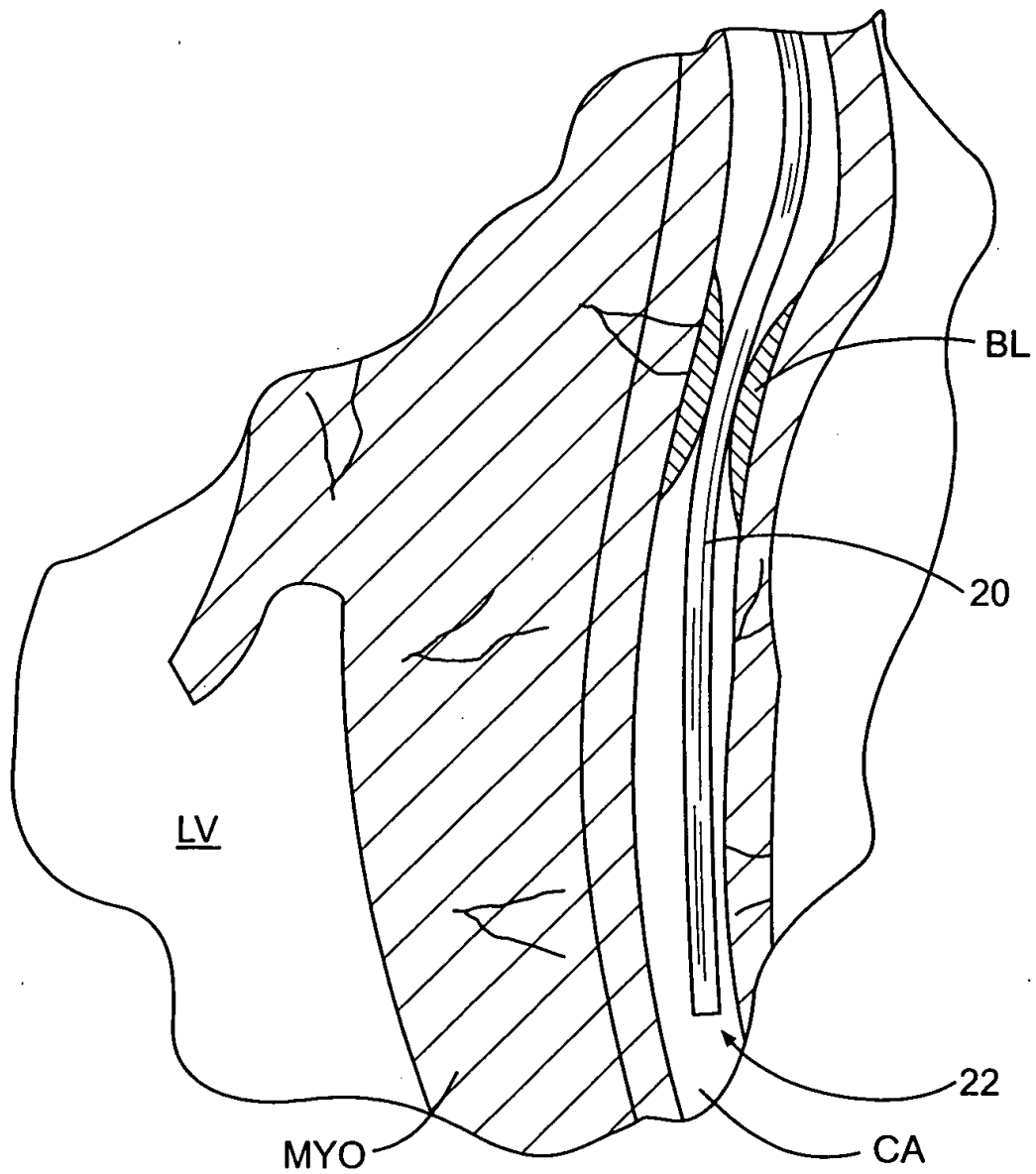


FIG. 3A



REPLACEMENT SHEET

APPROVED BY DRAFTSMAN	O.G. FIG.	CLASS	SUBCLASS

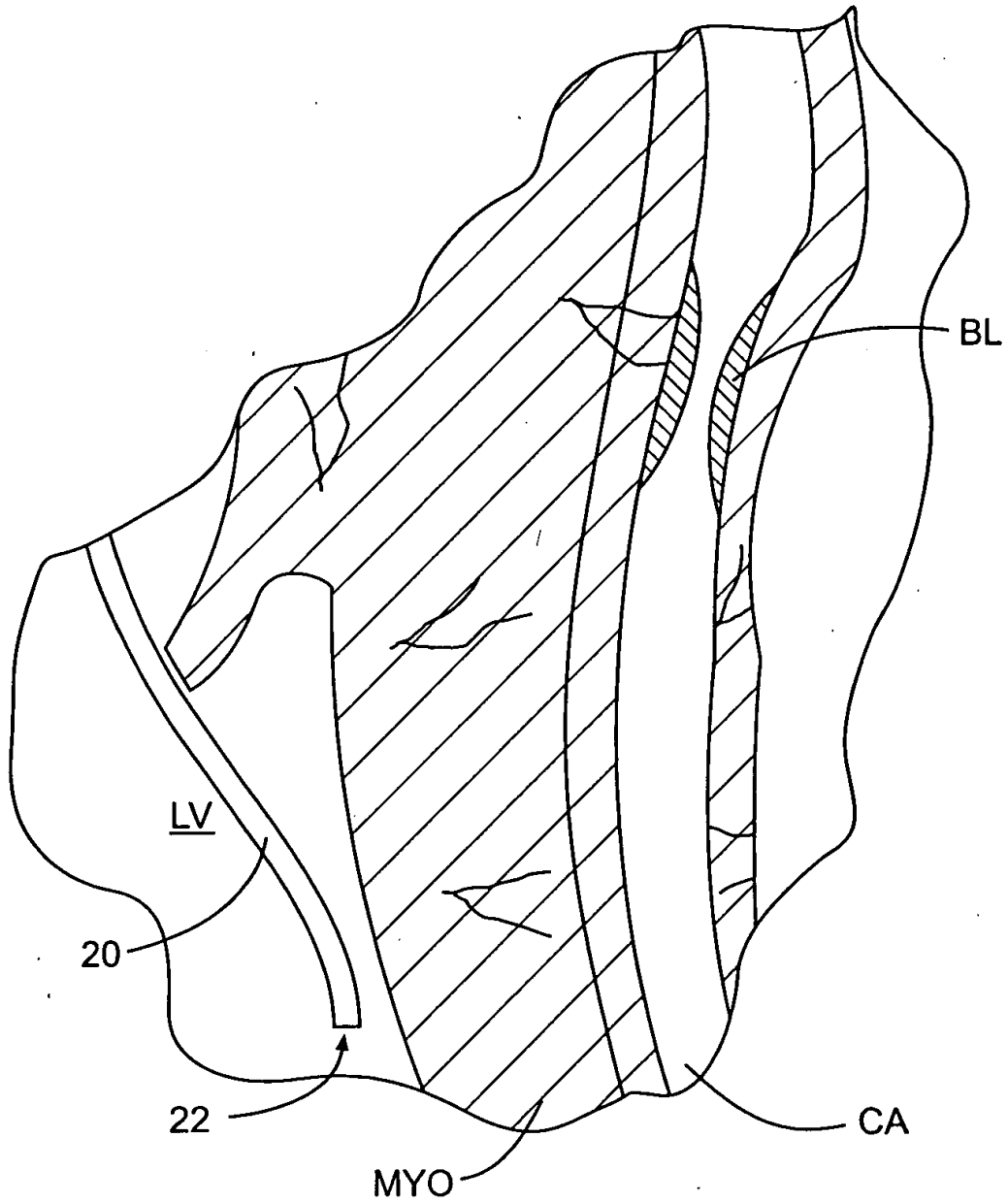


FIG. 3B

REPLACEMENT SHEET

APPROVED BY	O.G. FIG.	
	CLASS	SUBCLASS
DRAFTSMAN		

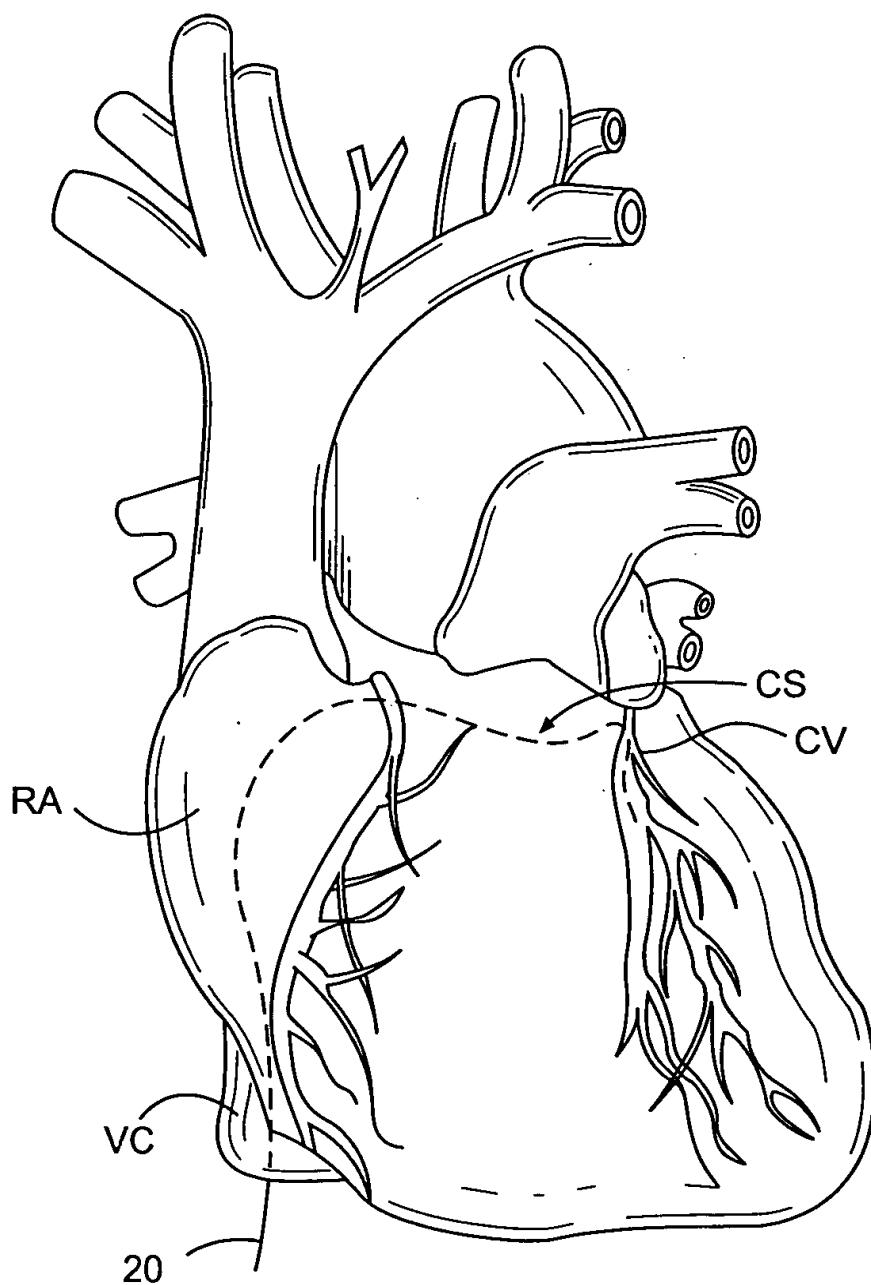
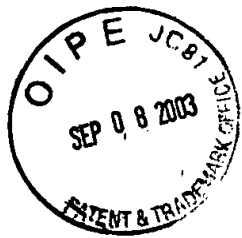


FIG. 4A



REPLACEMENT SHEET

APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

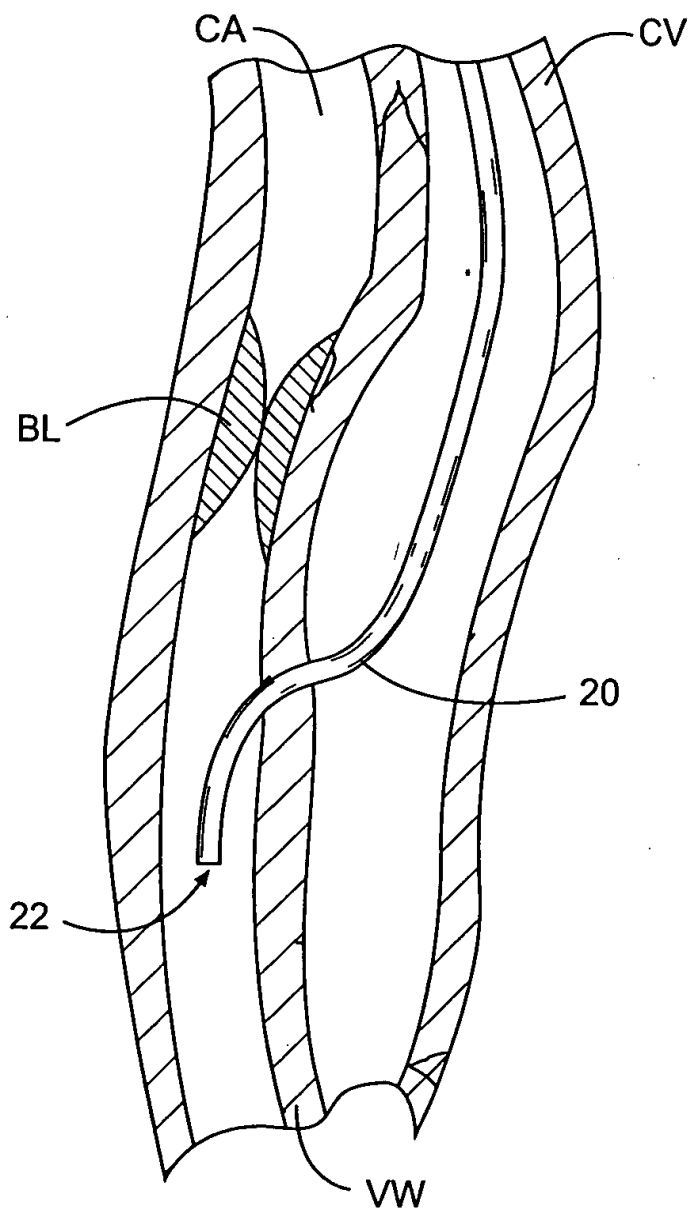


FIG. 4B

OIP
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REPLACEMENT SHEET

DRAFTSMAN	BY	O.G. FIG.	
		CLASS	SUBCLASS

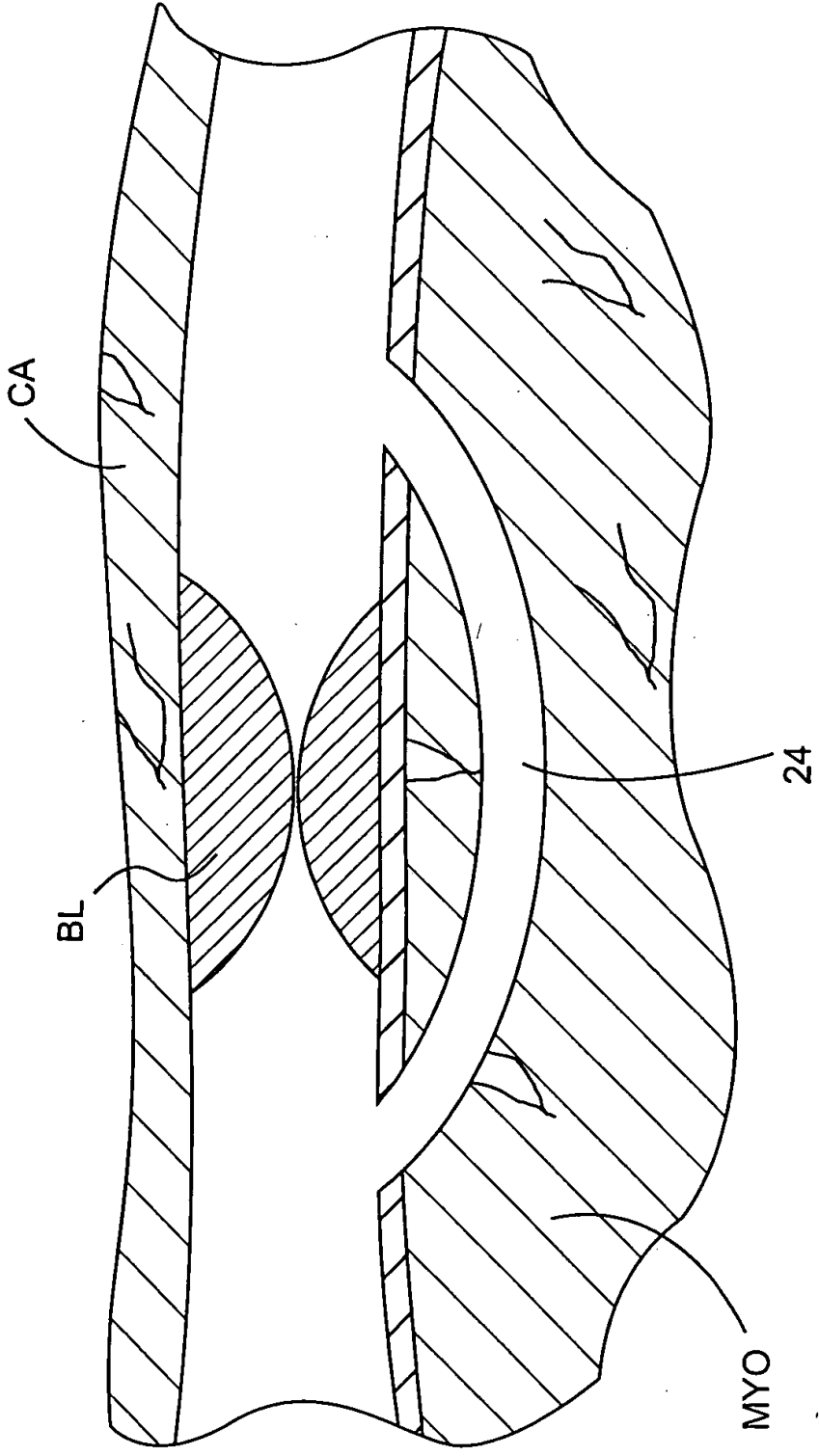


FIG. 5

PIPE JOINT
SEP 08 2003

PATENT & TRADE

O.G. FIG.	
CLASS	SUBCLASS
LUTHELIAN	

REPLACEMENT SHEET

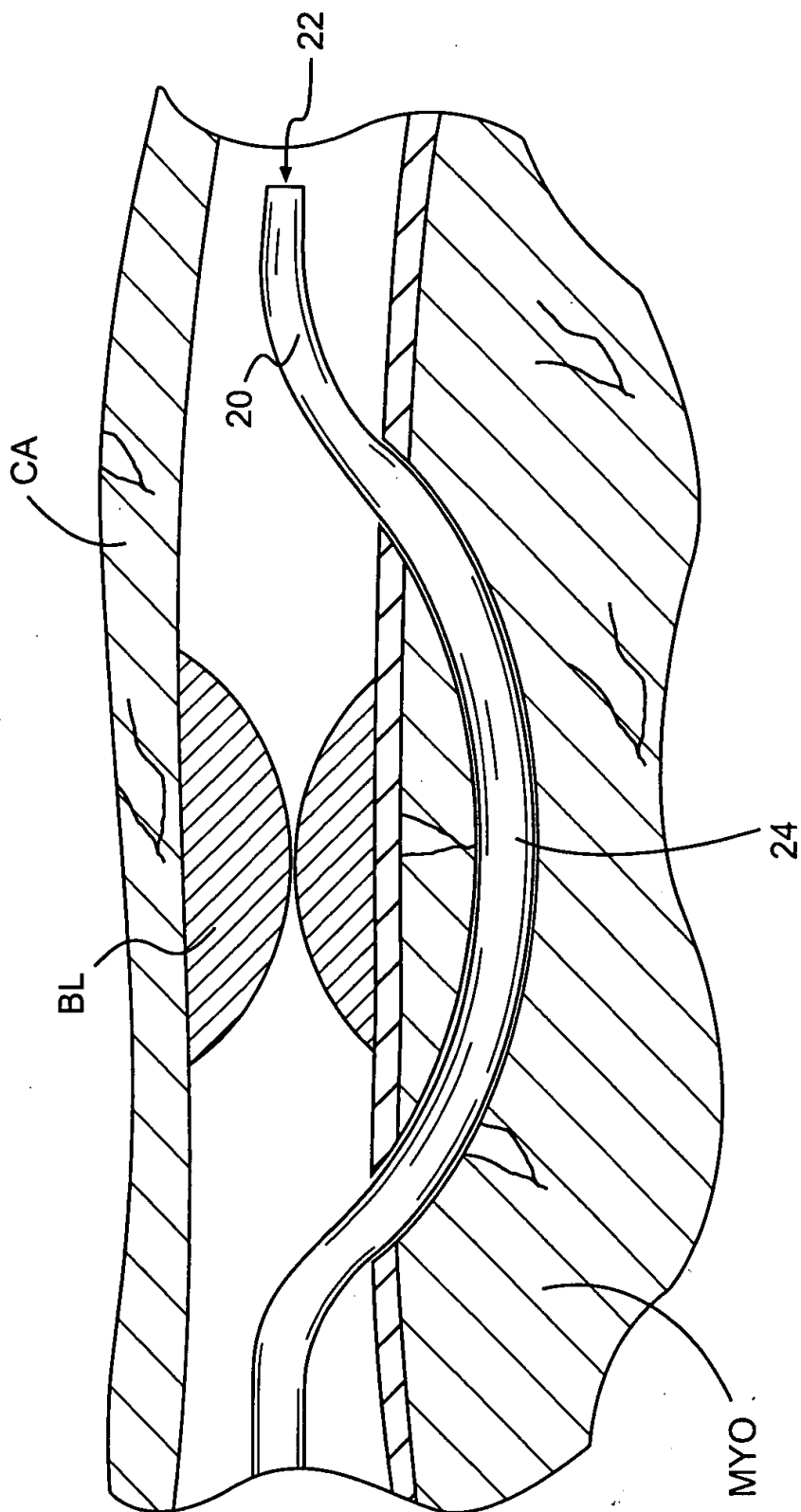


FIG. 6

PIPE JOINT
SEP 08 2003
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REPLACEMENT SHEET

APPROVED	O.G. FIG.	CLASS	SUBCLASS
BY			
DRAFTSMAN			

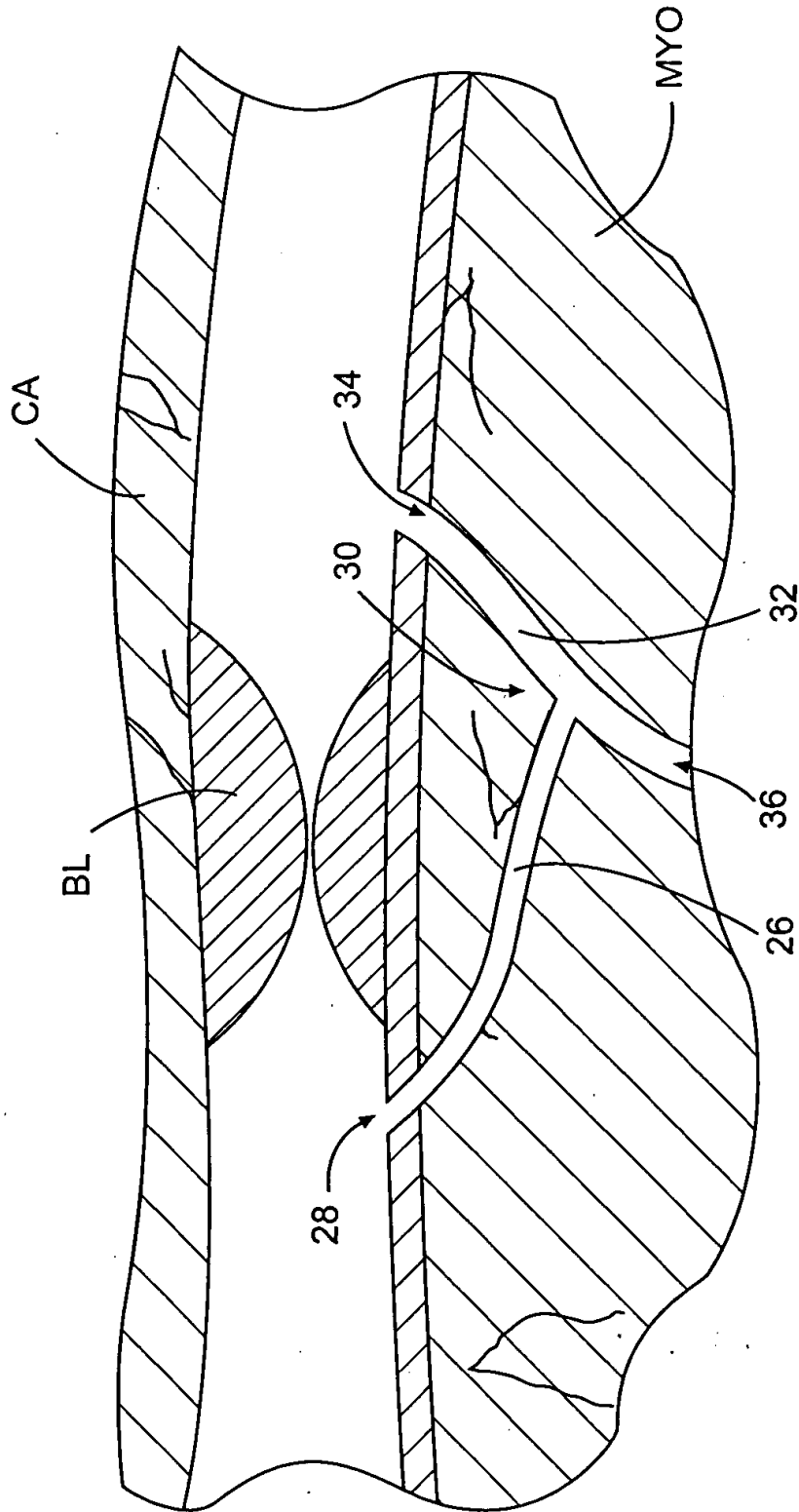


FIG. 7

REPLACEMENT SHEET



APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
LAWYER/SMITH	

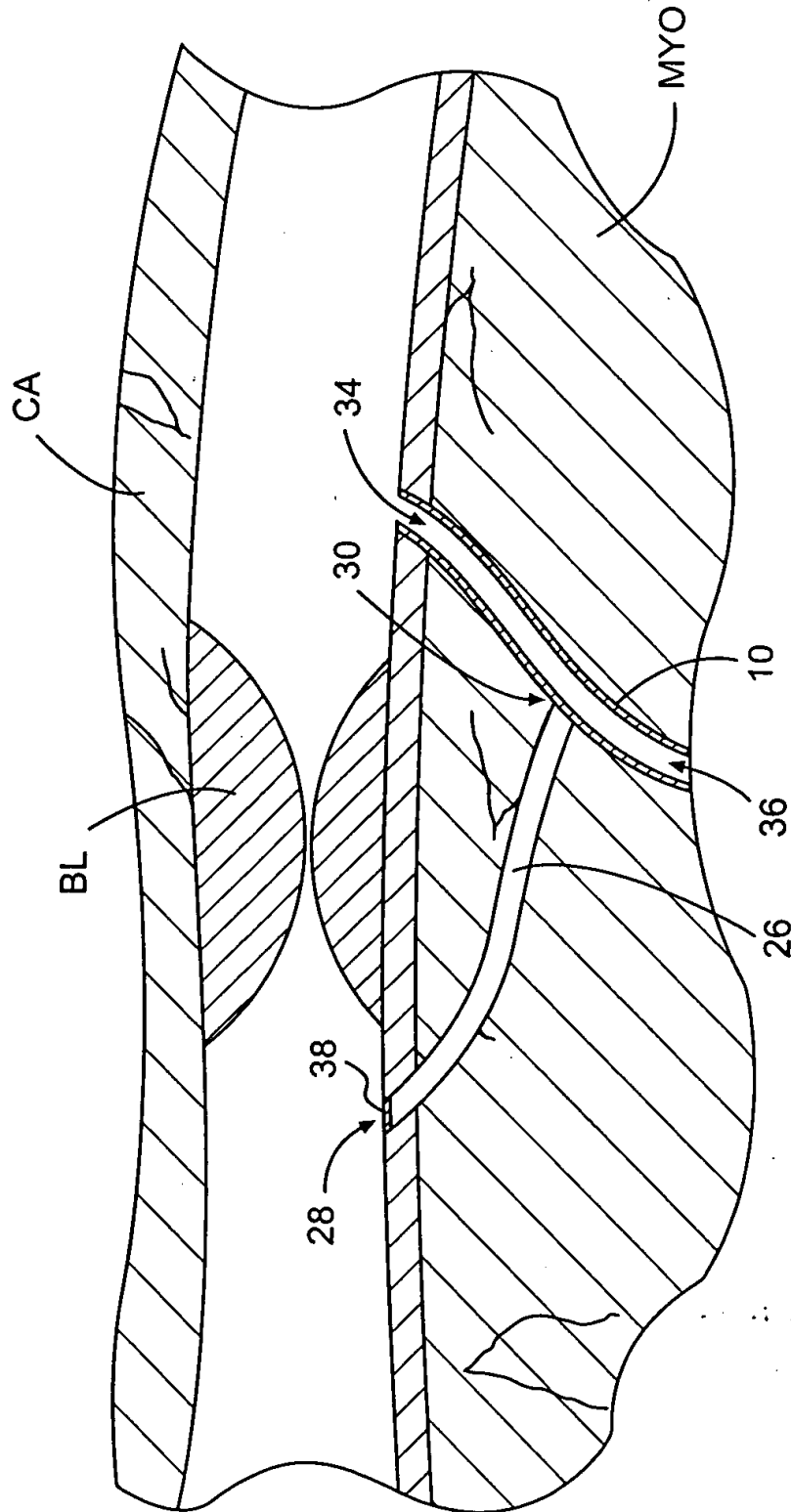


FIG. 8

U.I.P.E. JOB.
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REPLACEMENT SHEET

APPROVED	U.G. FIG.	CLASS	SUBCLASS
BY			
DRAFTSMAN			

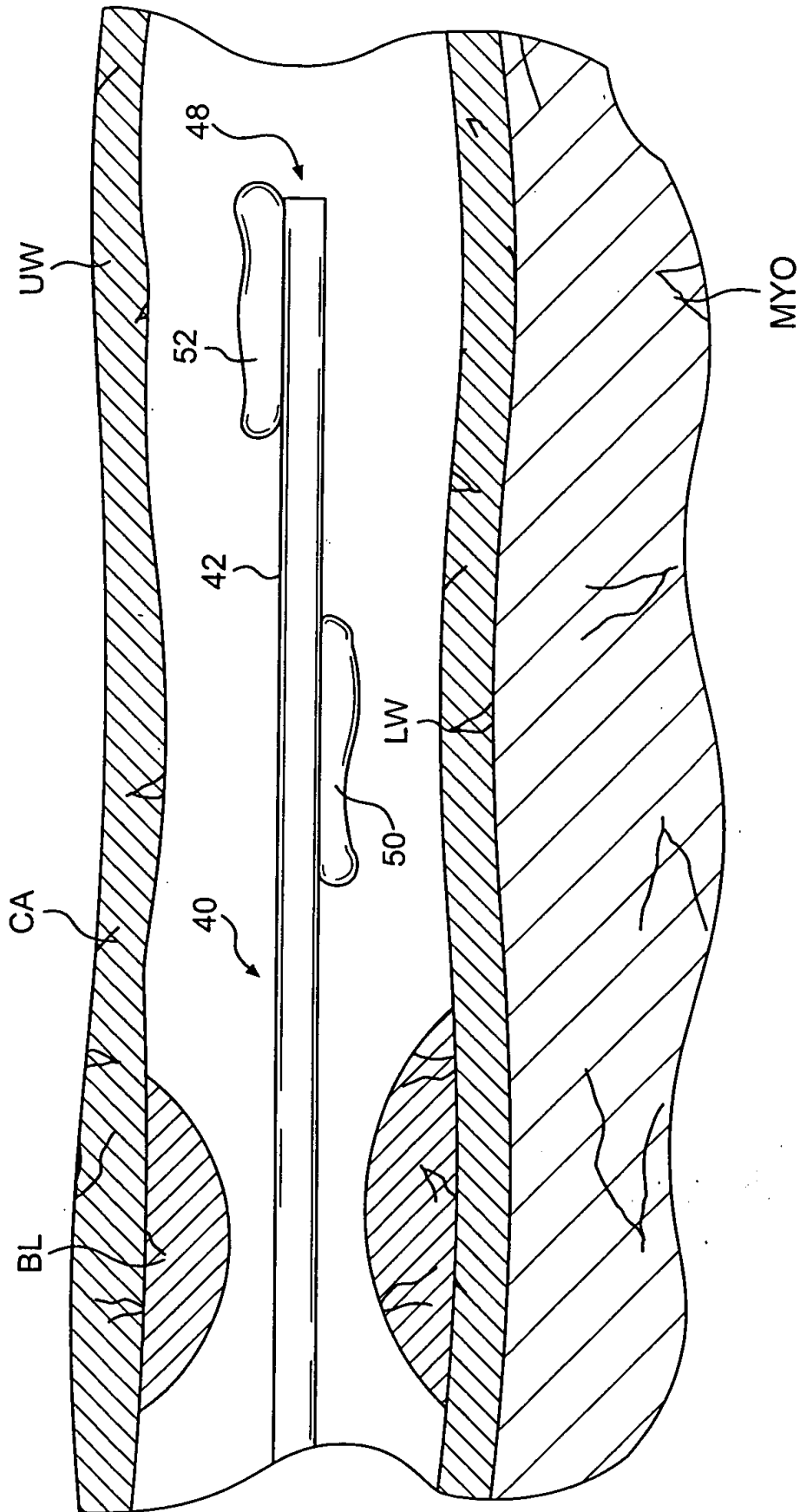


FIG. 9



REPLACEMENT SHEET

APPROVED	O.G. FIG.	CLASS	SUBCLASS
BY			
DRAFTSMAN			

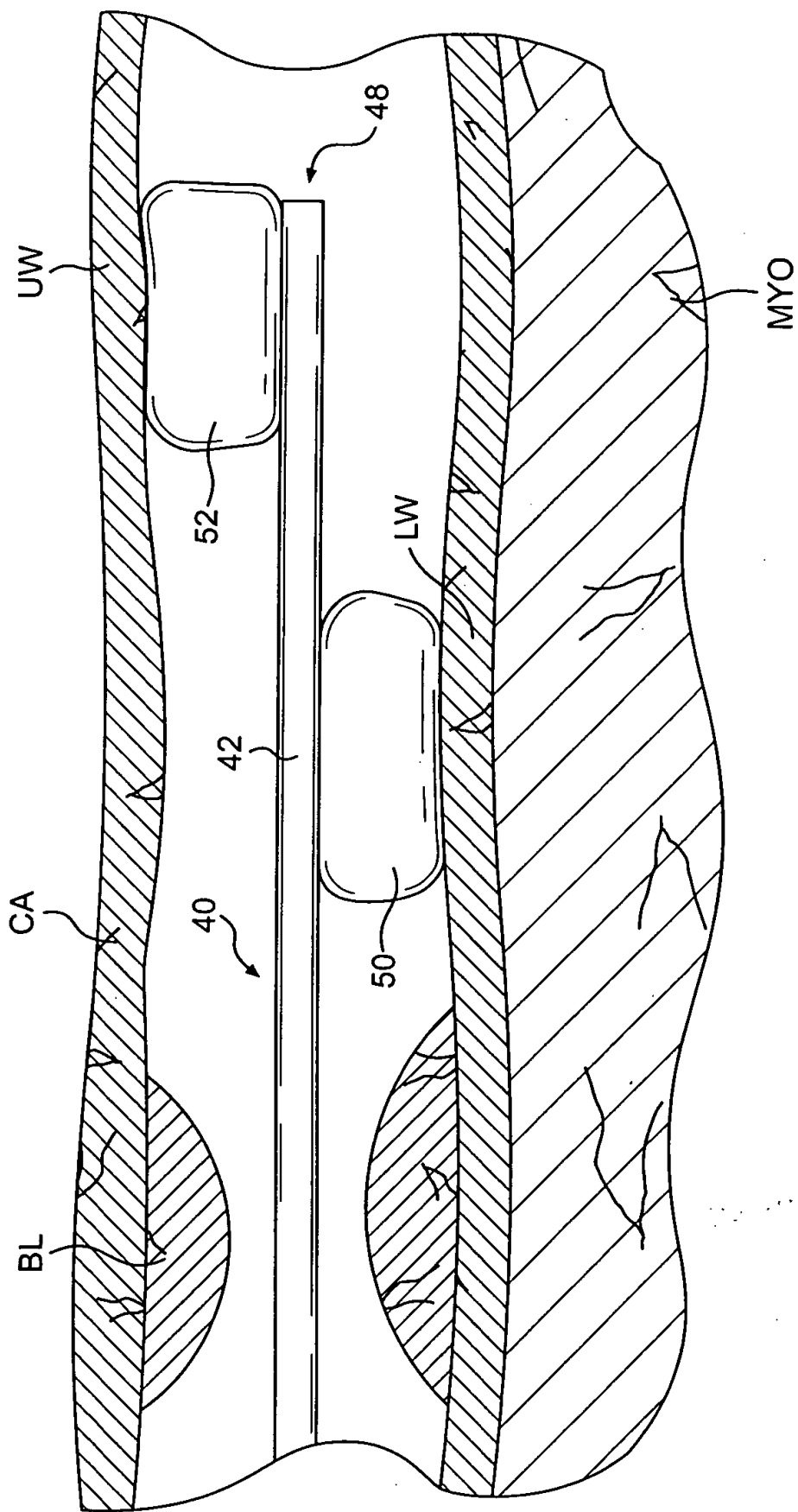


FIG. 10



REPLACEMENT SHEET

U.S. Pat. & Tm. Off.	CLASS	SUBCLASS
BY	ARTSMAN	

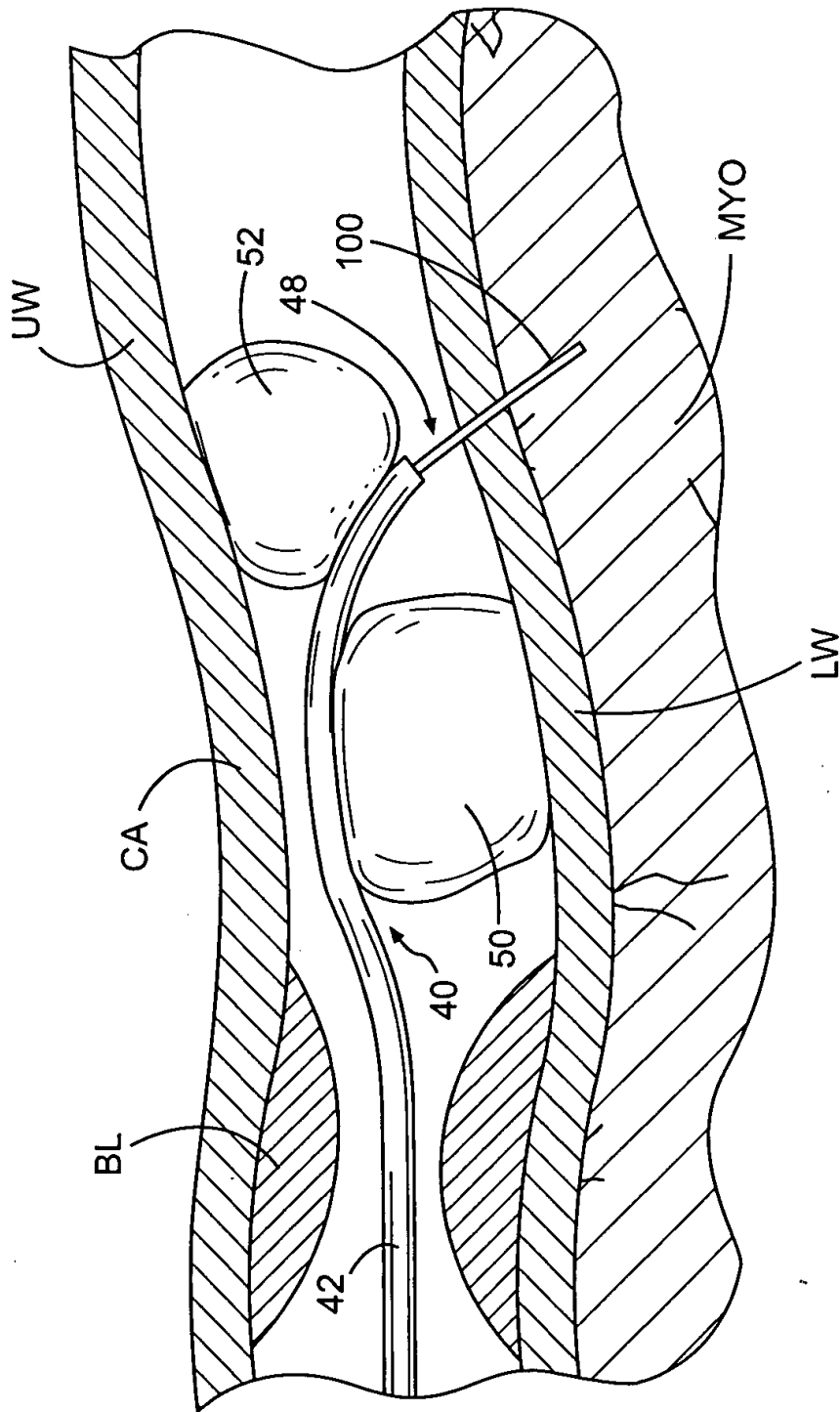
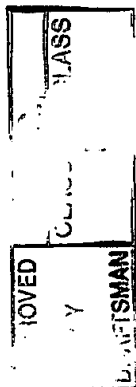


FIG. 11



REPLACEMENT SHEET

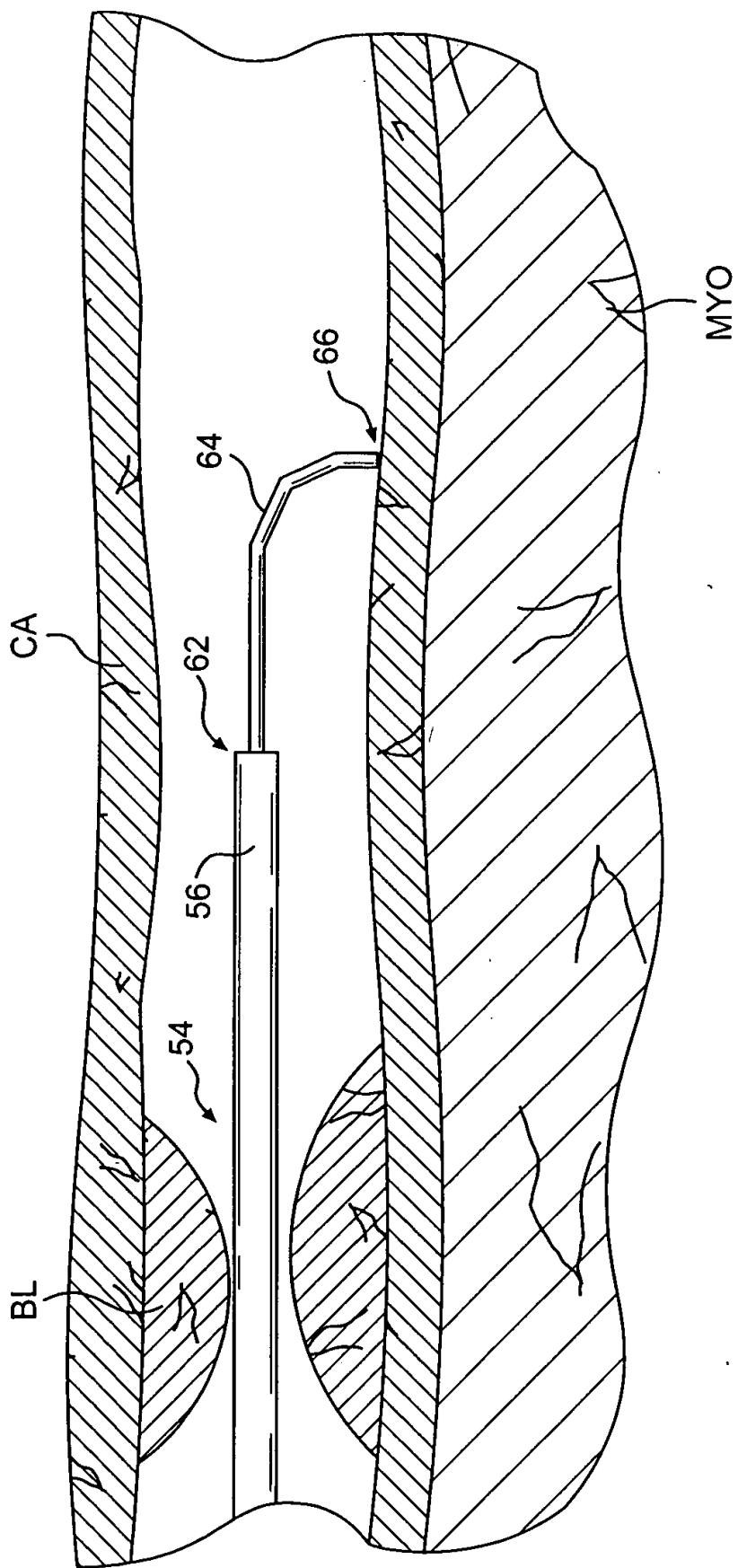


FIG. 12

PIPE JC81
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REPLACEMENT SHEET

O.G. FIG.	
CLASS	SUBCLASS
W. F. TSMAN	

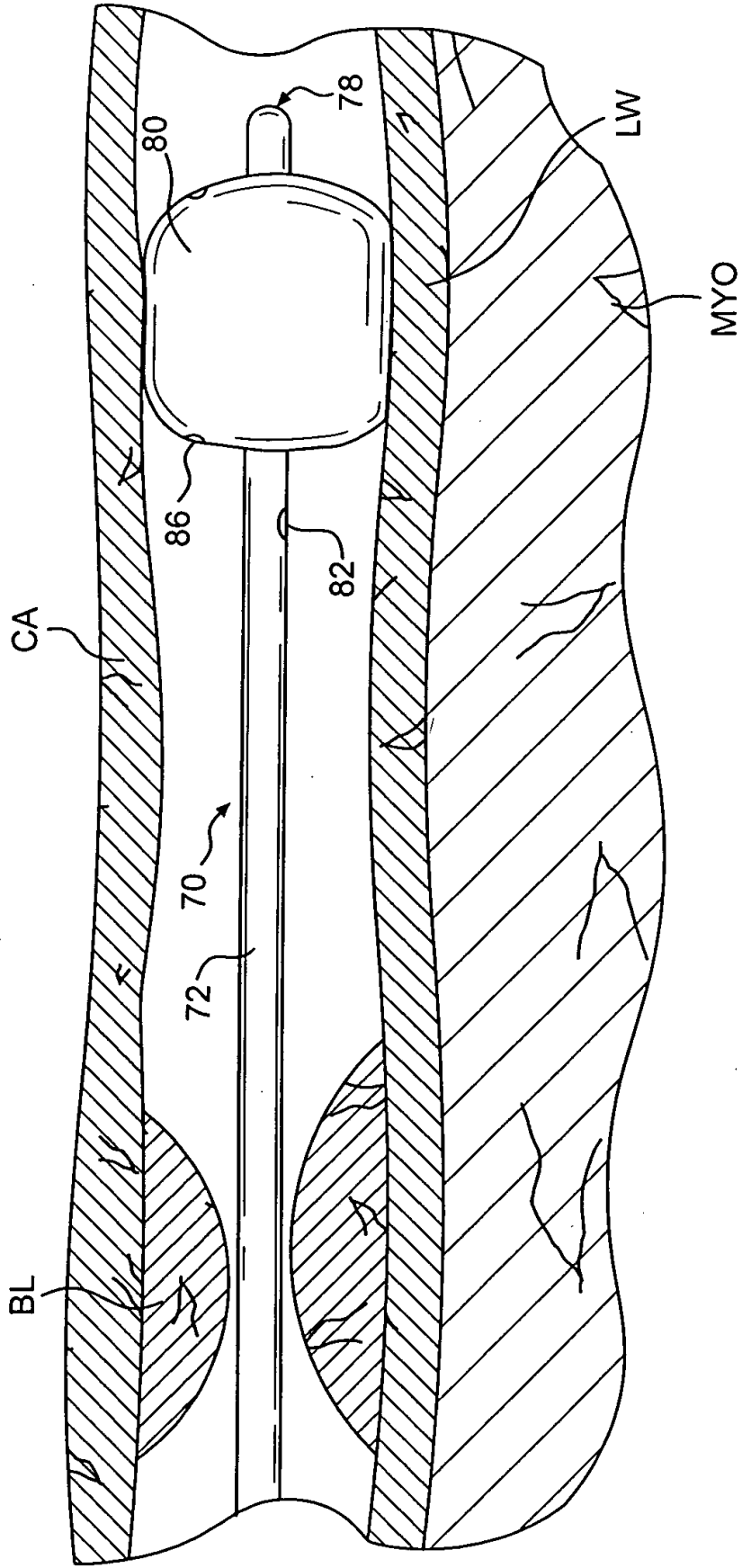


FIG. 13A

PIPE J
SEP 08 2003
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APPROVED	O.G. FIG.
CLASS	SUBCLASS
DRAFTSMAN	

REPLACEMENT SHEET

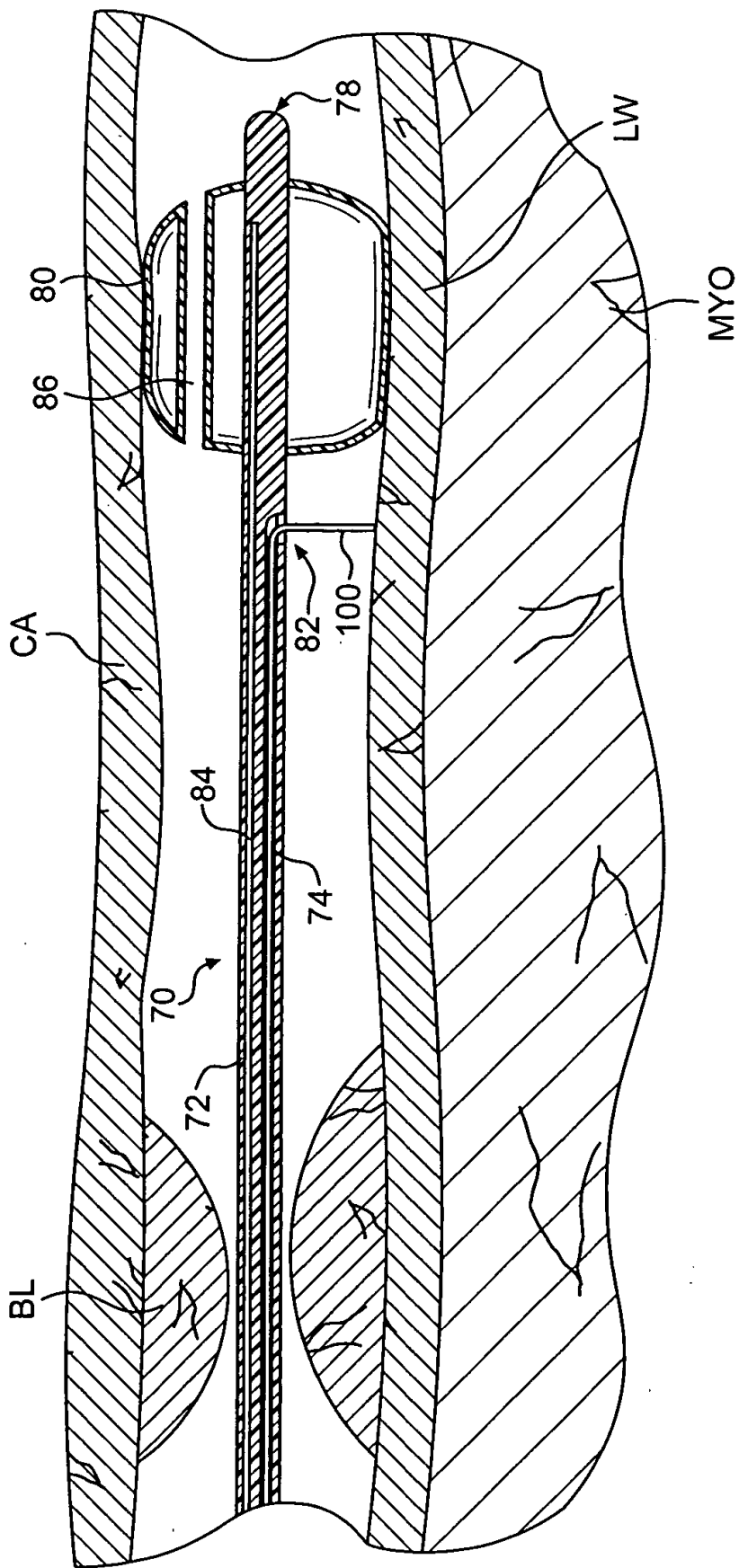
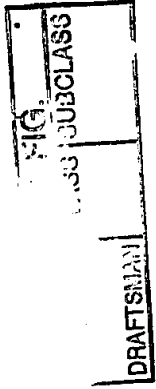
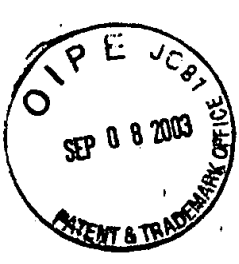


FIG. 13B



REPLACEMENT SHEET

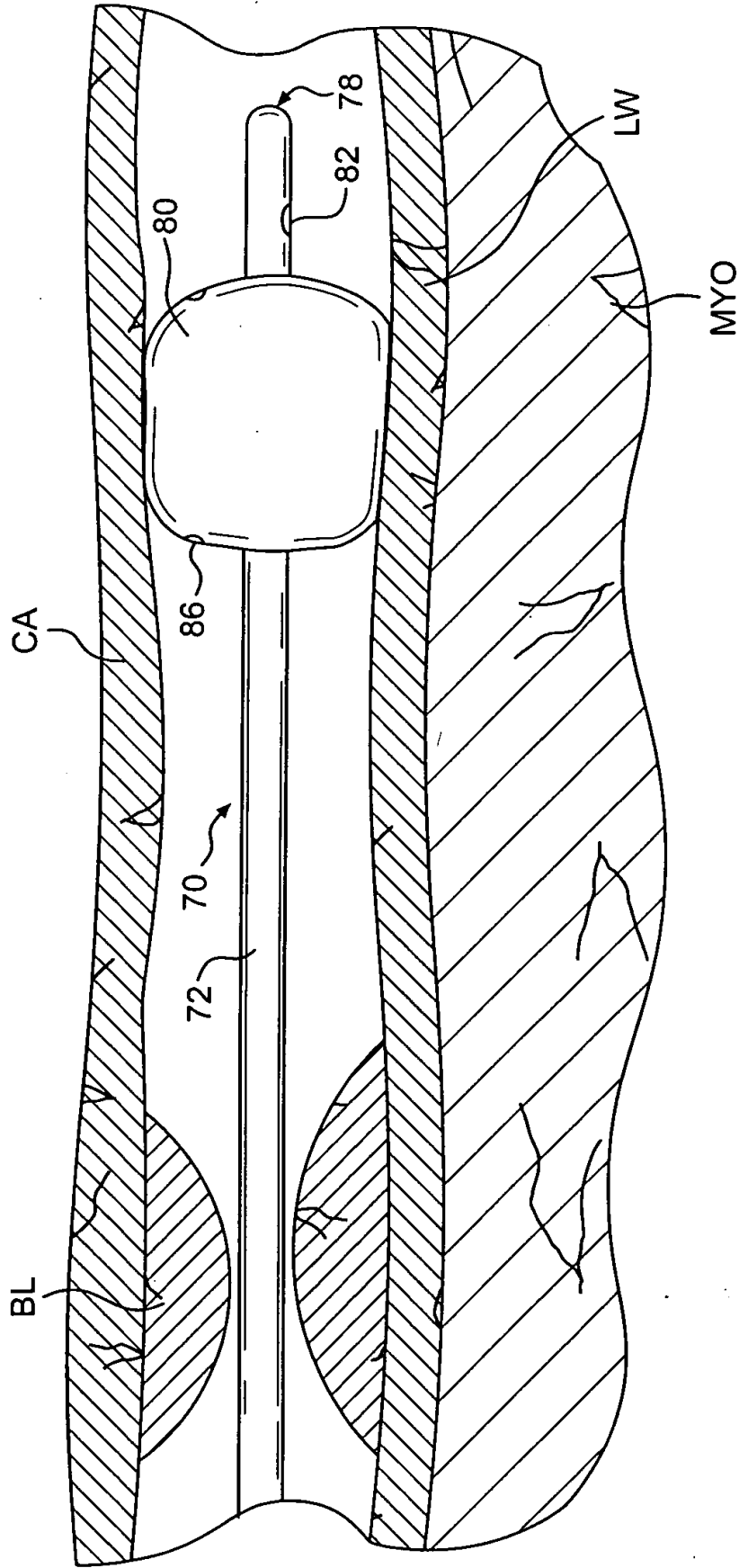


FIG. 14A

TYPE JC
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REPLACEMENT SHEET

BY DRAFTSMAN	FIG. 14B	
	CLASS	SUBCLASS

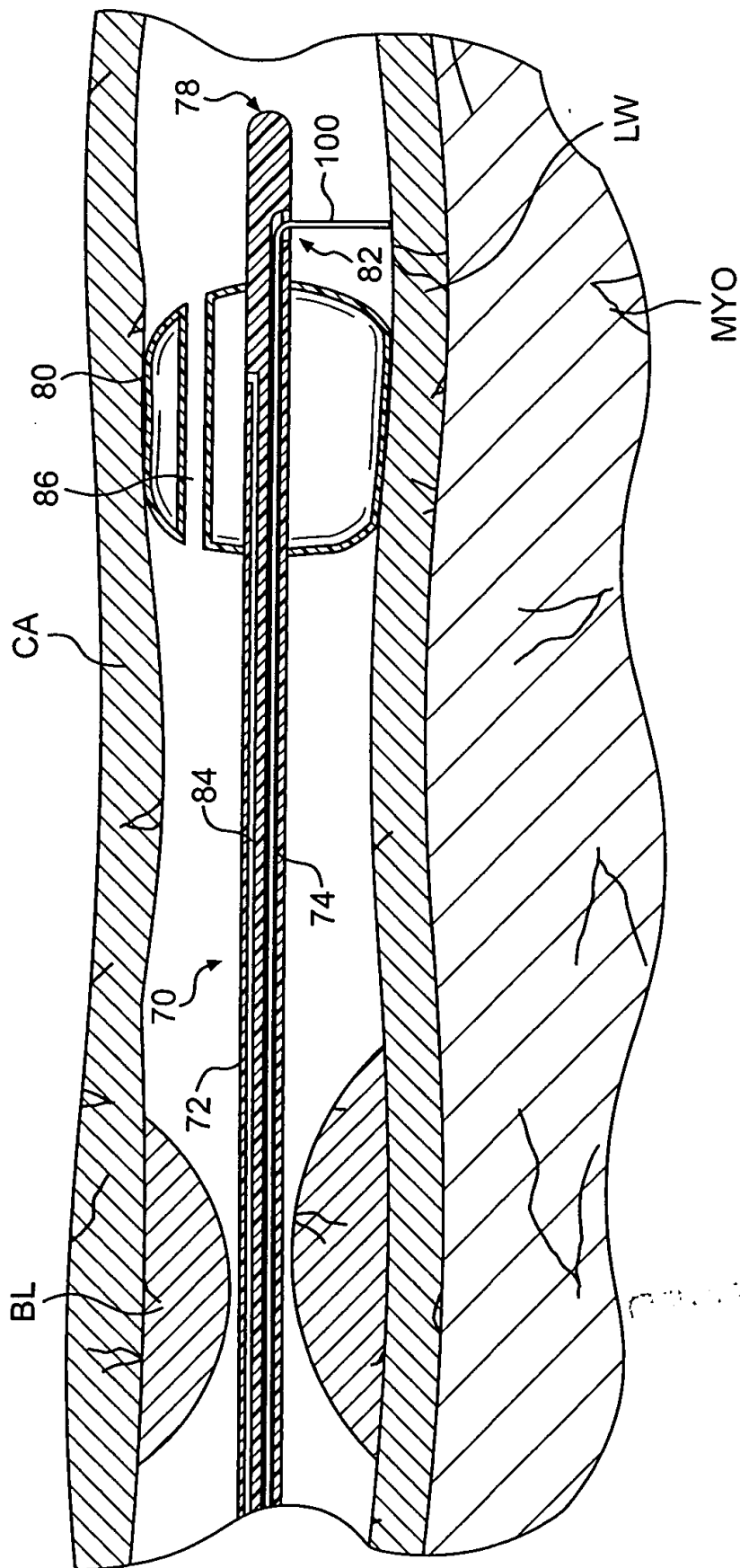


FIG. 14B

PIPE JEP
SEP 0 8 2003
PATENT & TRADE

REPLACEMENT SHEET

APPROVED	O.C. FIG.	CLASS	GUBCLASS
BY			
DRAFTSMAN			

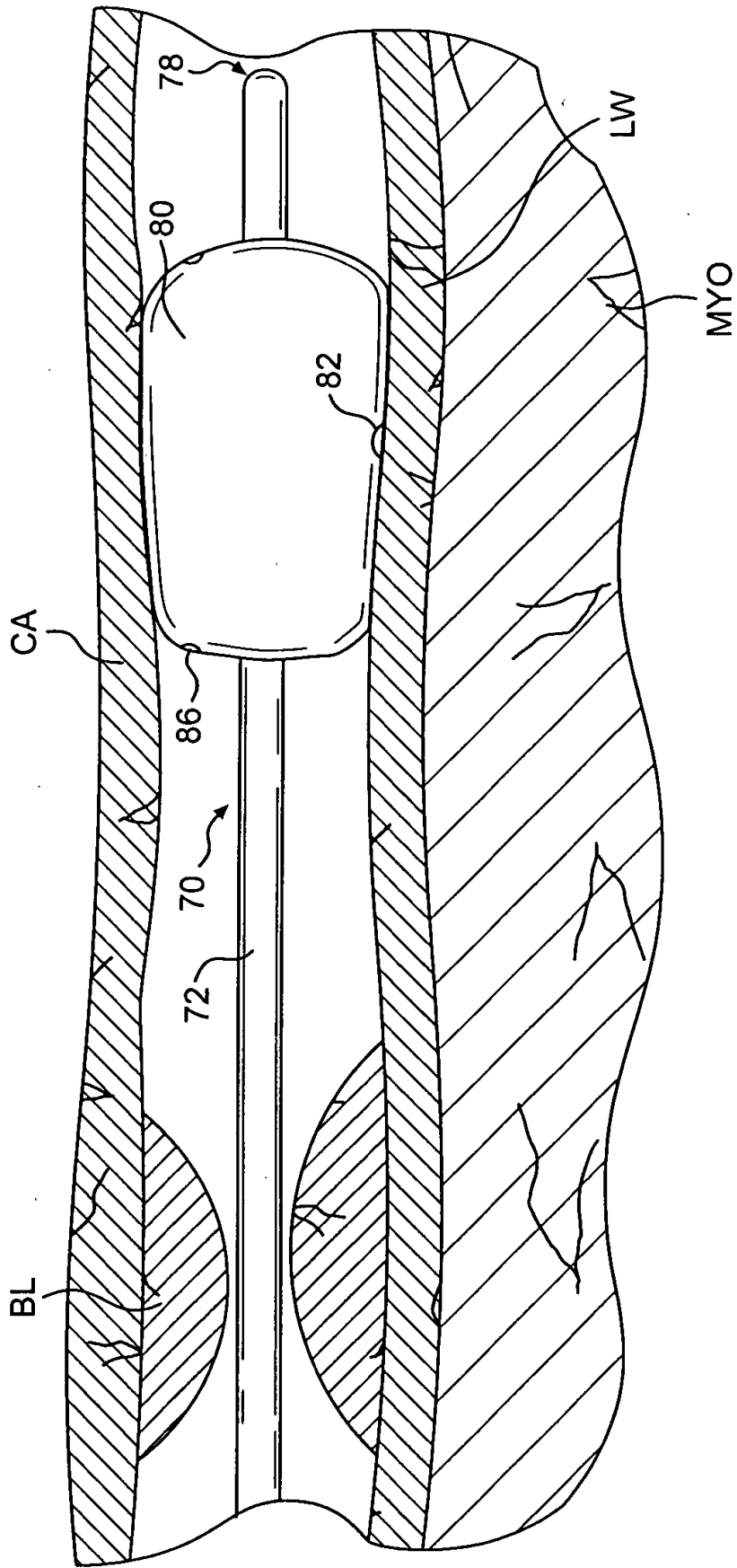


FIG. 15A

O I P E
SEP 0 8 2000
PATENT

REPLACEMENT SHEET

APPROVED	O.G. FIG.	CLASS	SUBCLASS
BY			
WATSMAN			

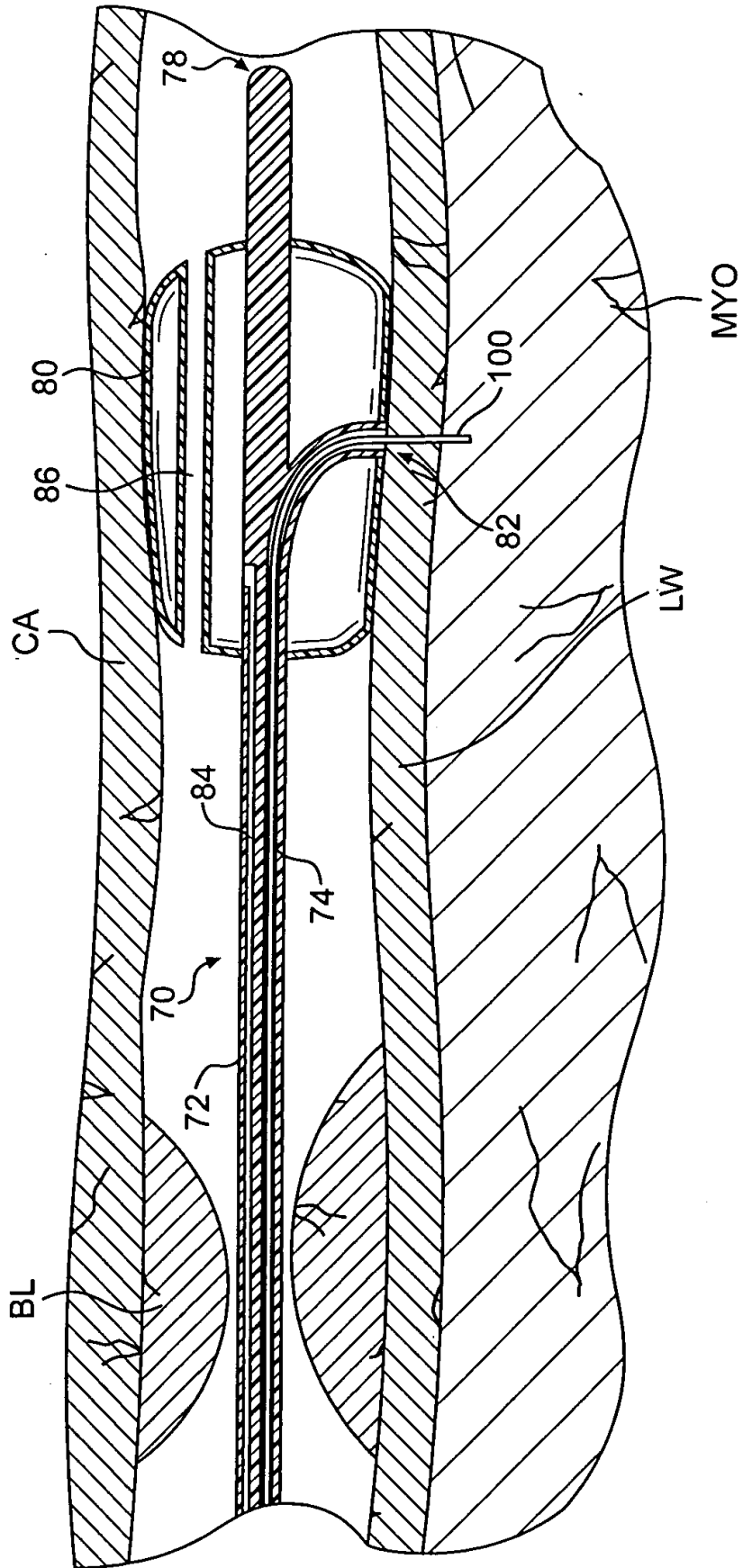


FIG. 15B

PIPE JC81
SEP 08 2003
VENT & TR

REPLACEMENT SHEET

O.G. FIG.	CLASS SUBCLASS	
	BY	DATE
PARTS MAN		

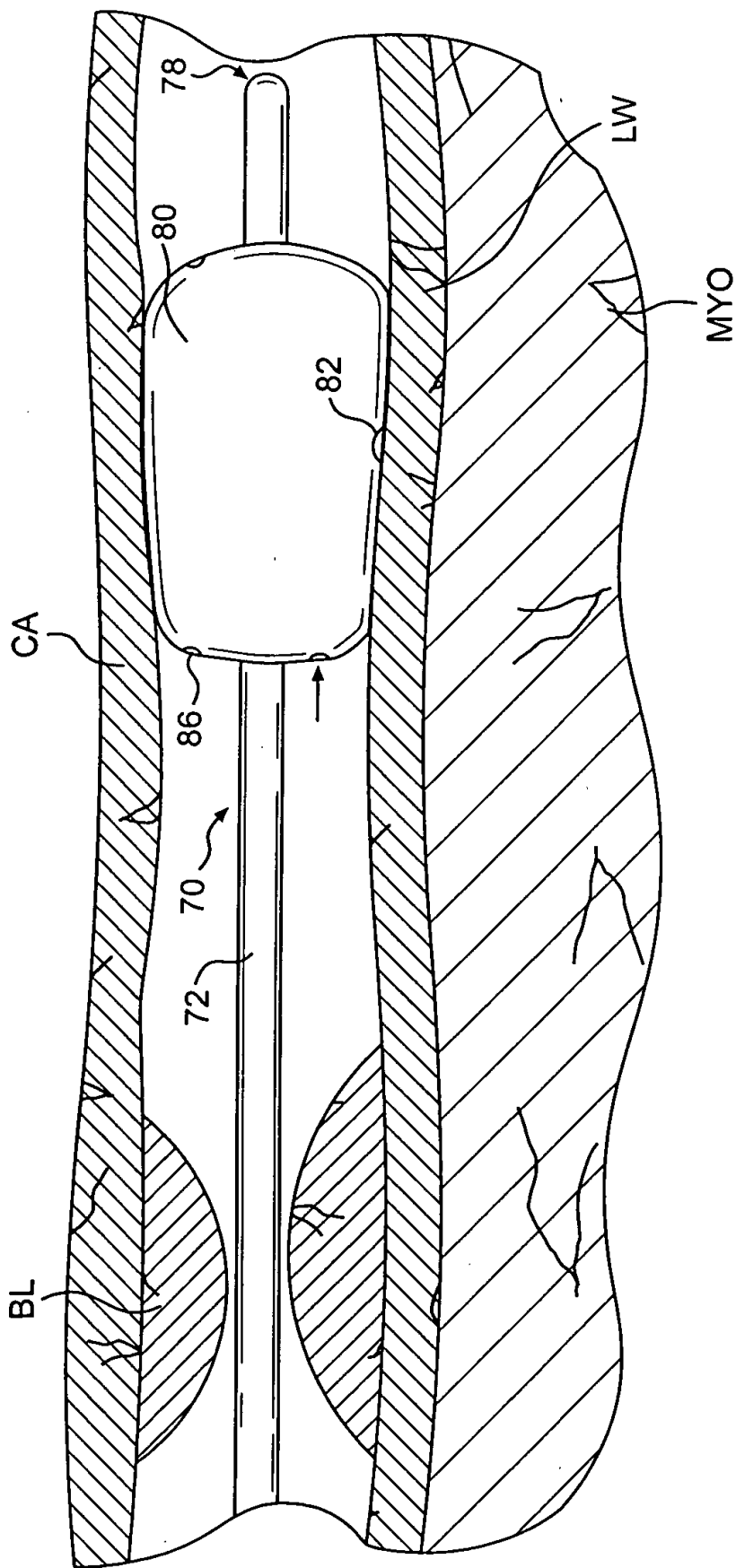


FIG. 15C

OIPE
 SEP 0 8 2003
 PATENT

REPLACEMENT SHEET

FIG.	FIG.
CLASS	SUBCLASS
BY	
EXAMINER	

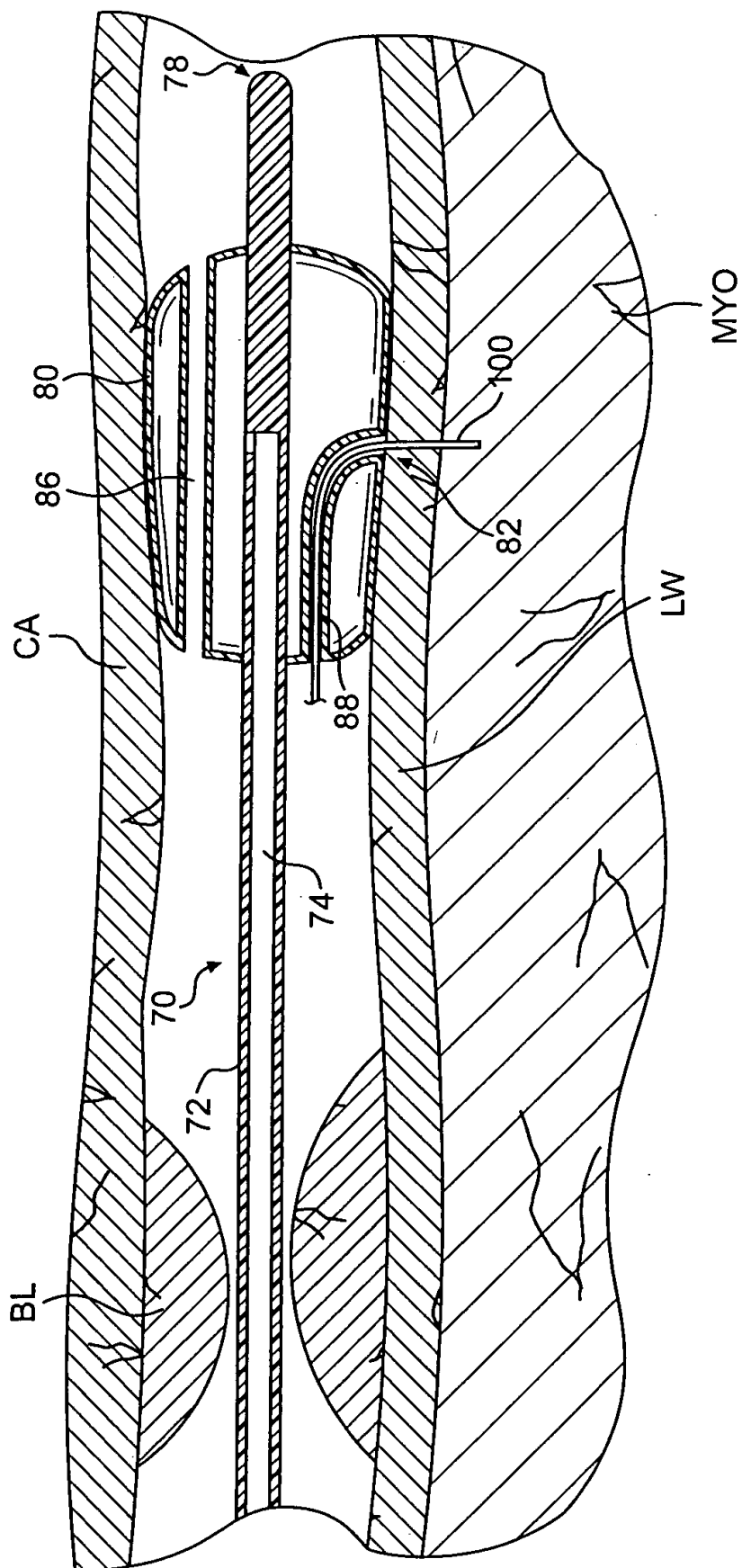


FIG. 15D

O I P E
SEP 0 8 2003
PATENT & TRADE

REPLACEMENT SHEET

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

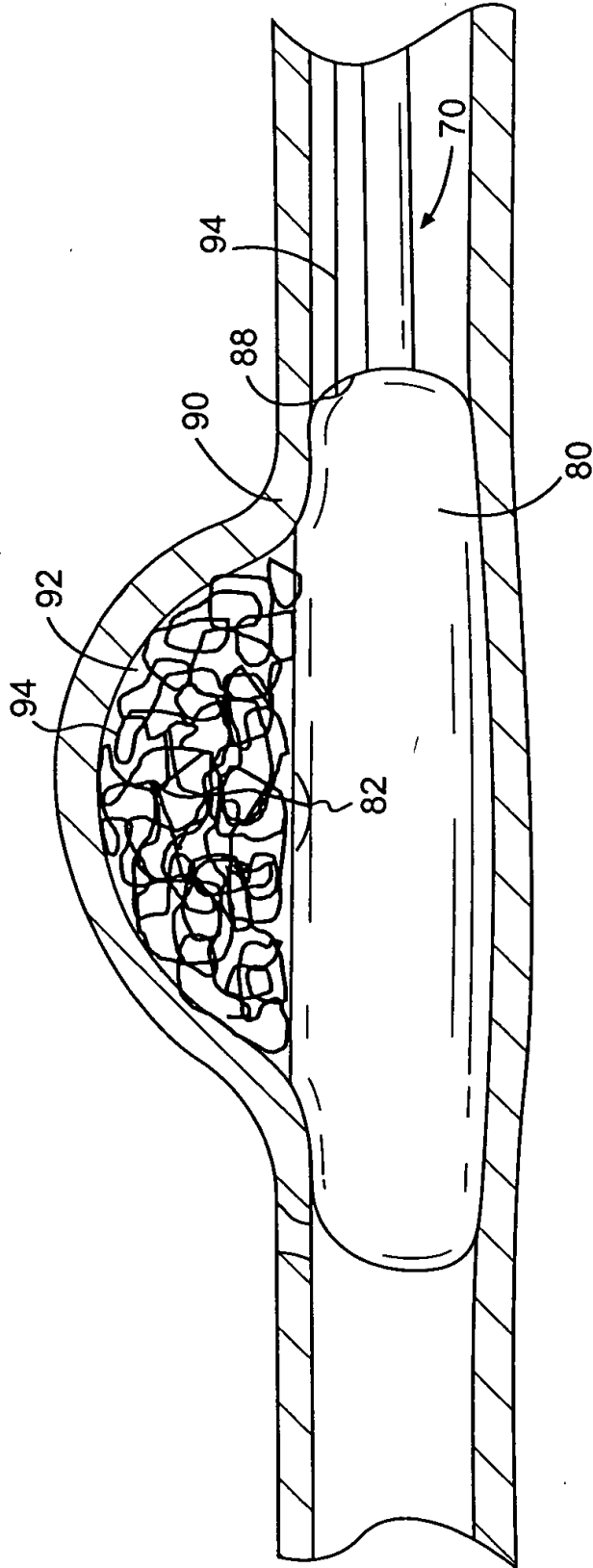


FIG. 16

OIP E
SEP 0 8 2003
PATENT & TRADE

APPROVED BY DRAFTSMAN	O.G. FIG.	CLASS	SUBCLASS

REPLACEMENT SHEET

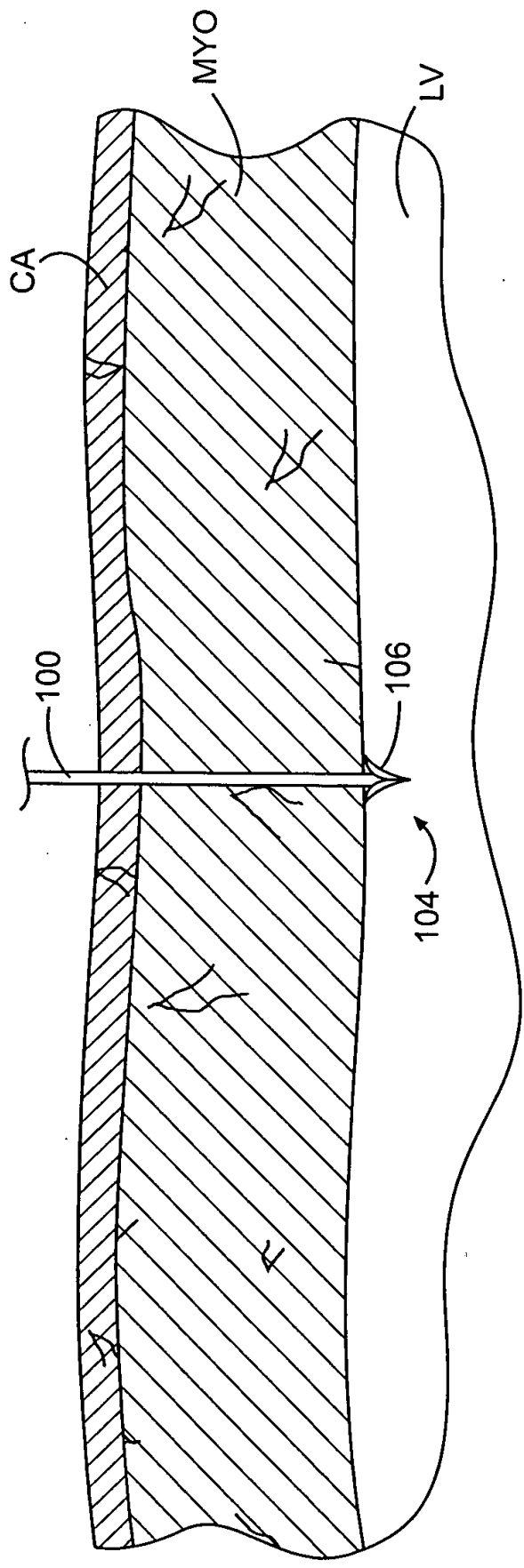


FIG. 17



REPLACEMENT SHEET

APPROVED BY DRAFTSMAN	O.G. FIG.	CLASS / SUBCLASS

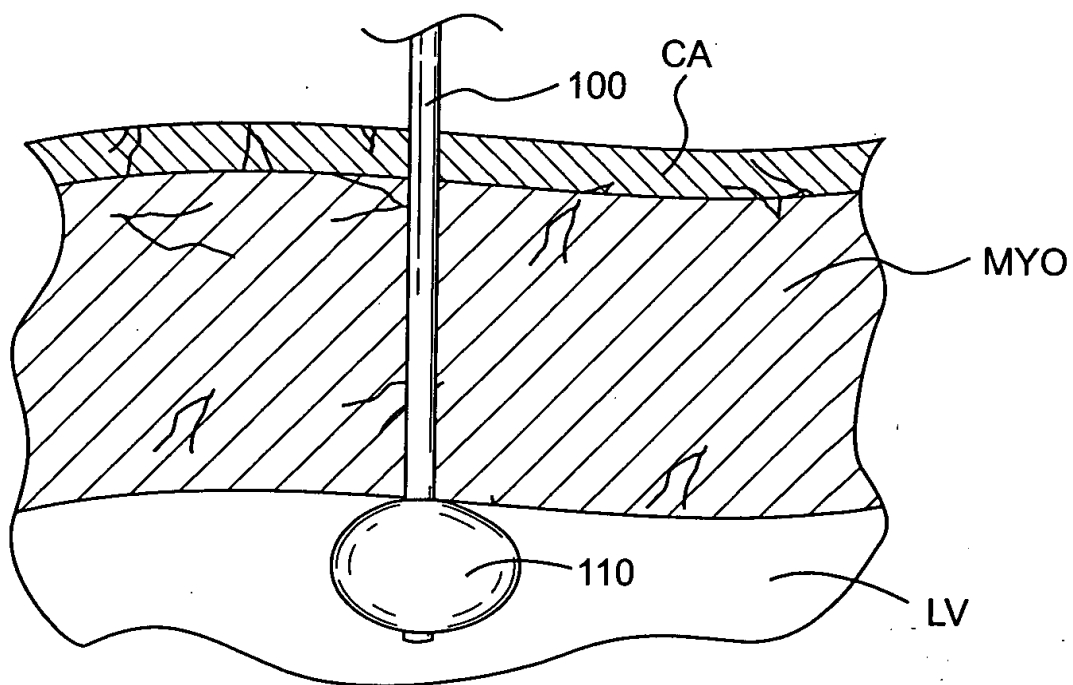


FIG. 18B



REPLACEMENT SHEET

APPROVED BY DRAFTSMAN	O.G. FIG.	CLASS	SUBCLASS

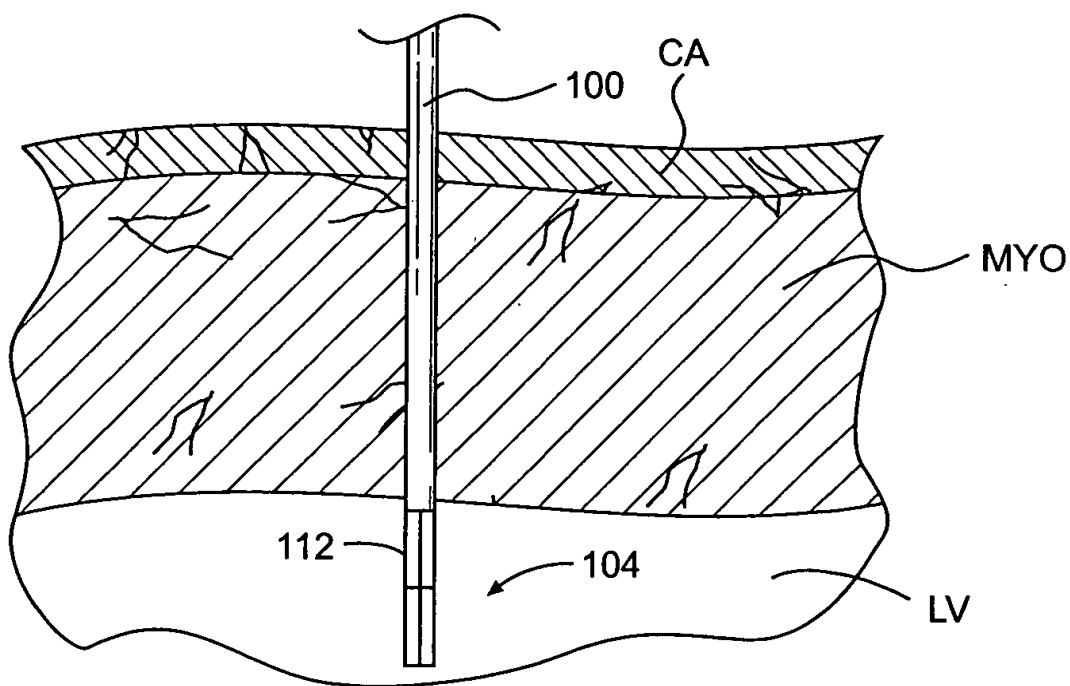


FIG. 19A

TYPE J
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PATENT & TRADEMARK OFFICE

REPLACEMENT SHEET

BY	CLASS	FIG.
	SUBCLASS	
DRAFTSMAN		

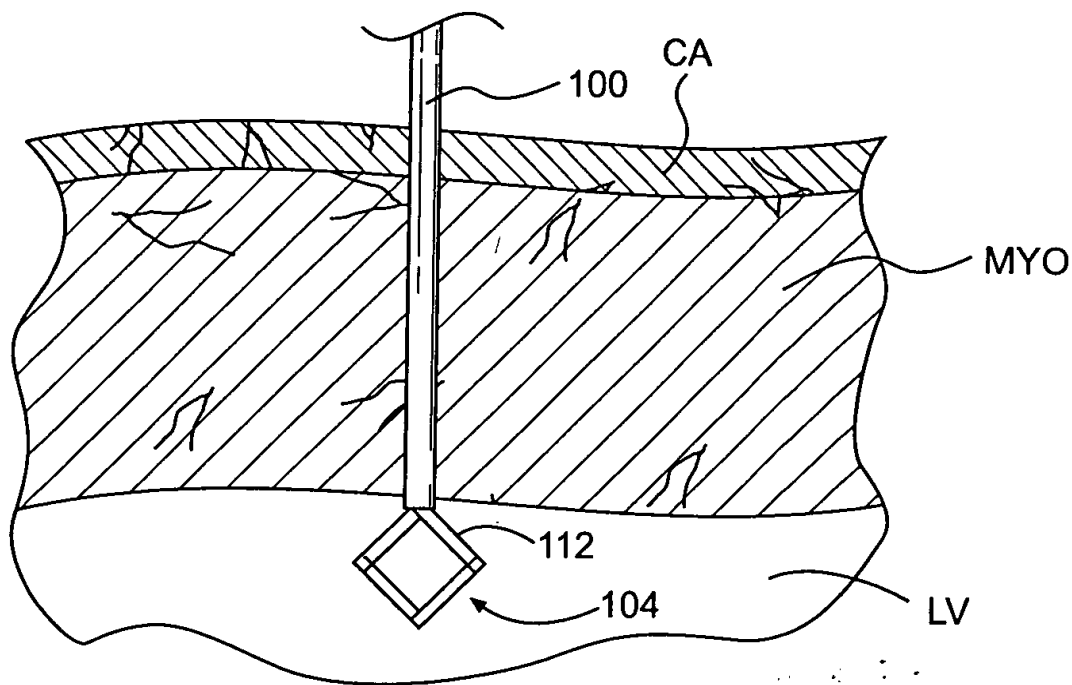


FIG. 19B

REPLACEMENT SHEET

SEP 08 2003

PATENT & TRADE

APPROVED	O.G.	CLASS	SUBCLASS
BY			
DRAFTSMAN			

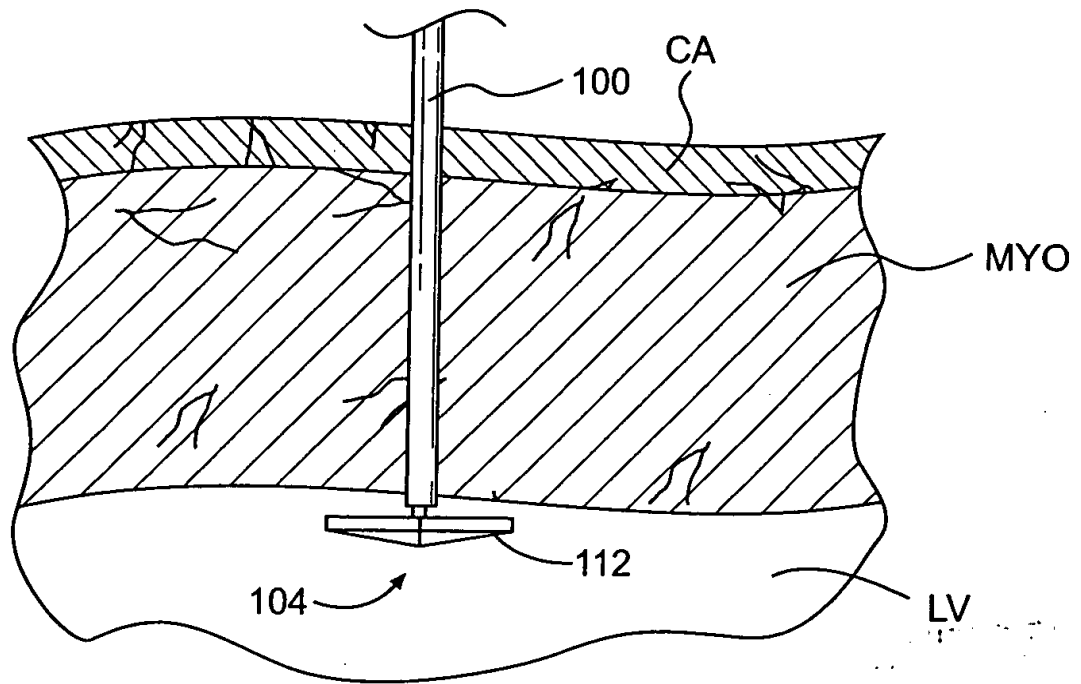


FIG. 19C

01P
SEP 08 2003
PATENT & TRADE

REPLACEMENT SHEET

BY	CLASS		SUBCLASS
	DRAFTSMAN		

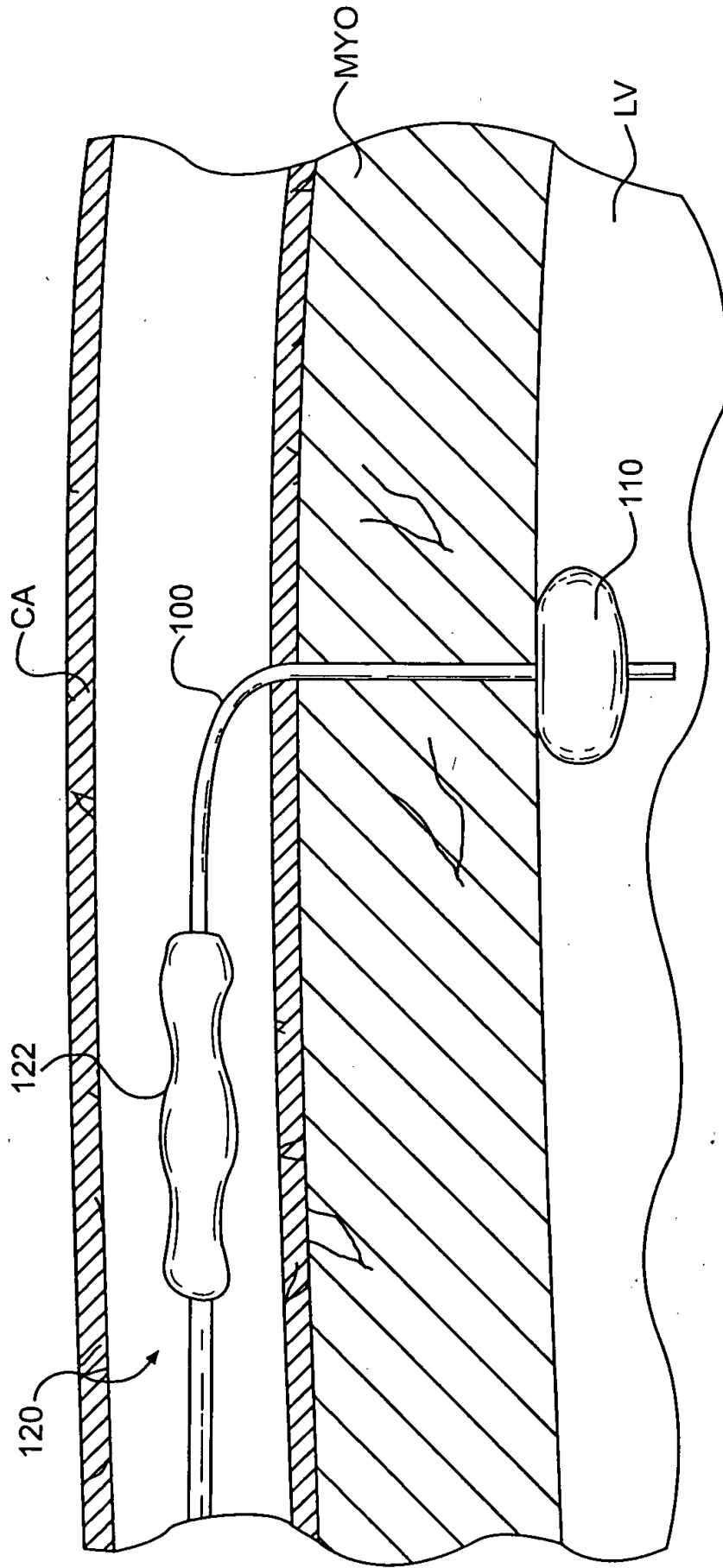


FIG. 20



APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

REPLACEMENT SHEET

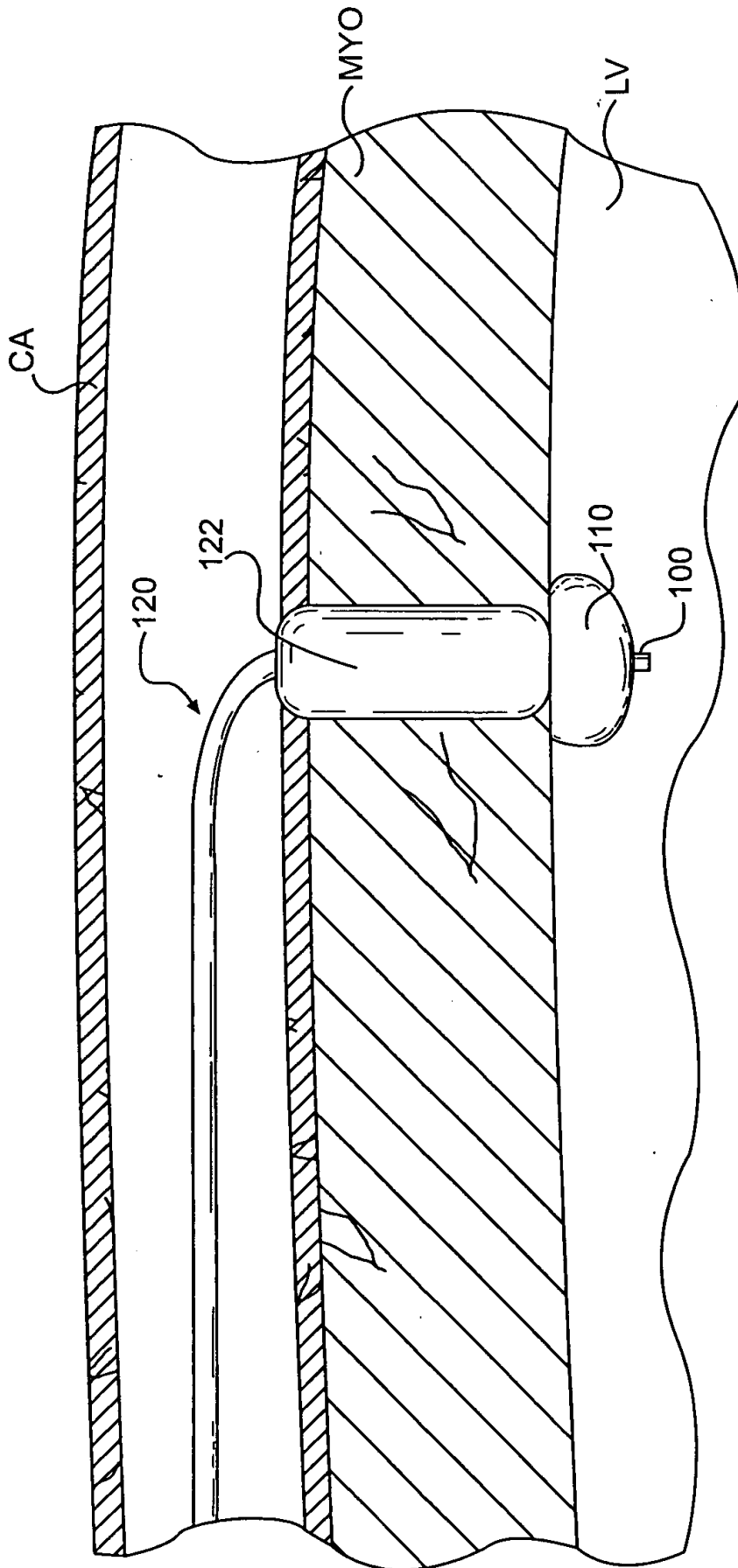


FIG. 21



REPLACEMENT SHEET

FILED	O.G. FIG.	CLASS	SUBCLASS
BY			
OFFICIAL			

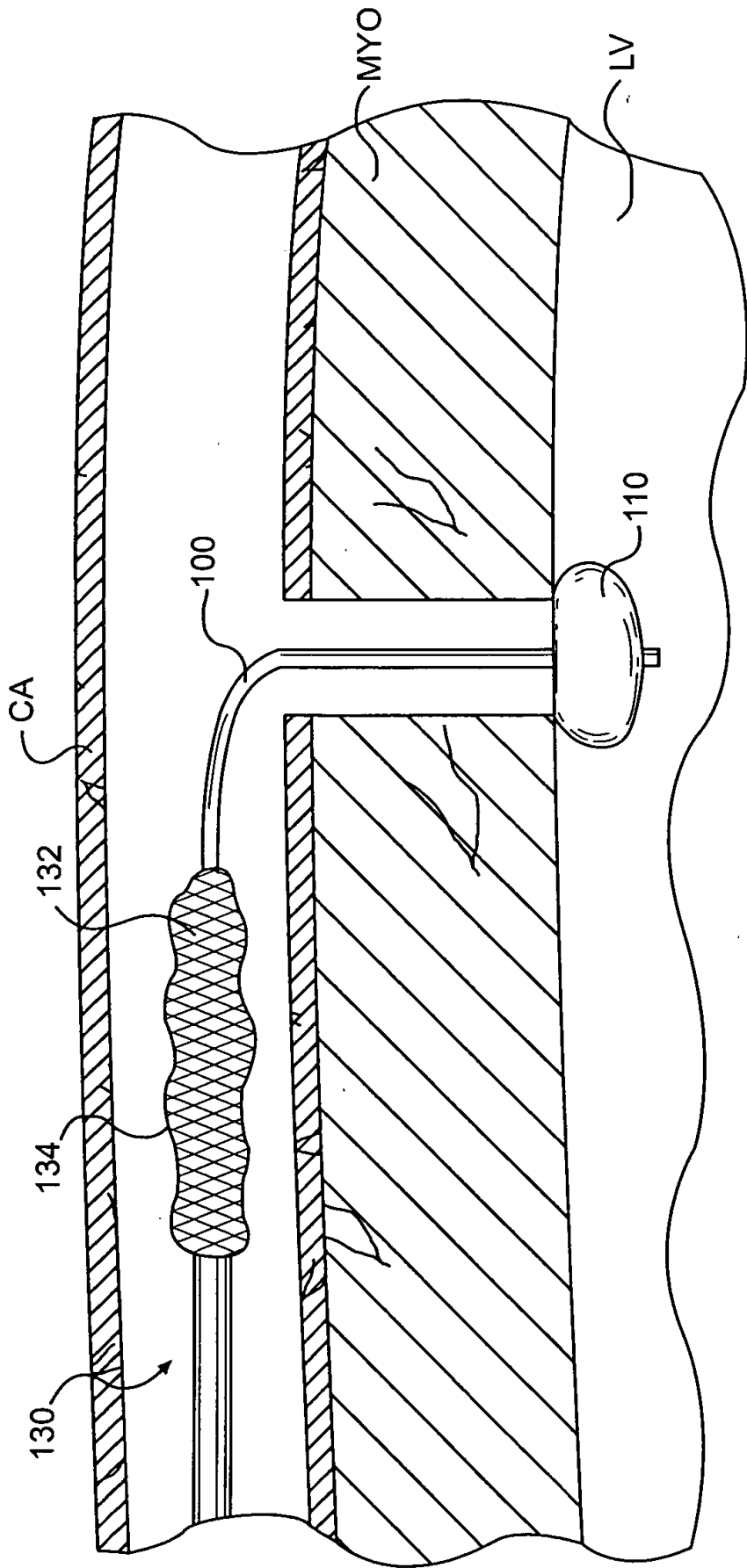


FIG. 22

O I P E J C 8 1
SEP 0 8 2003
PATENT & TRADEMARK OFFICE

REPLACEMENT SHEET

APPROVED	O. G. FIG.	CLASS	SUBCLASS
BY			
DRAFTSMAN			

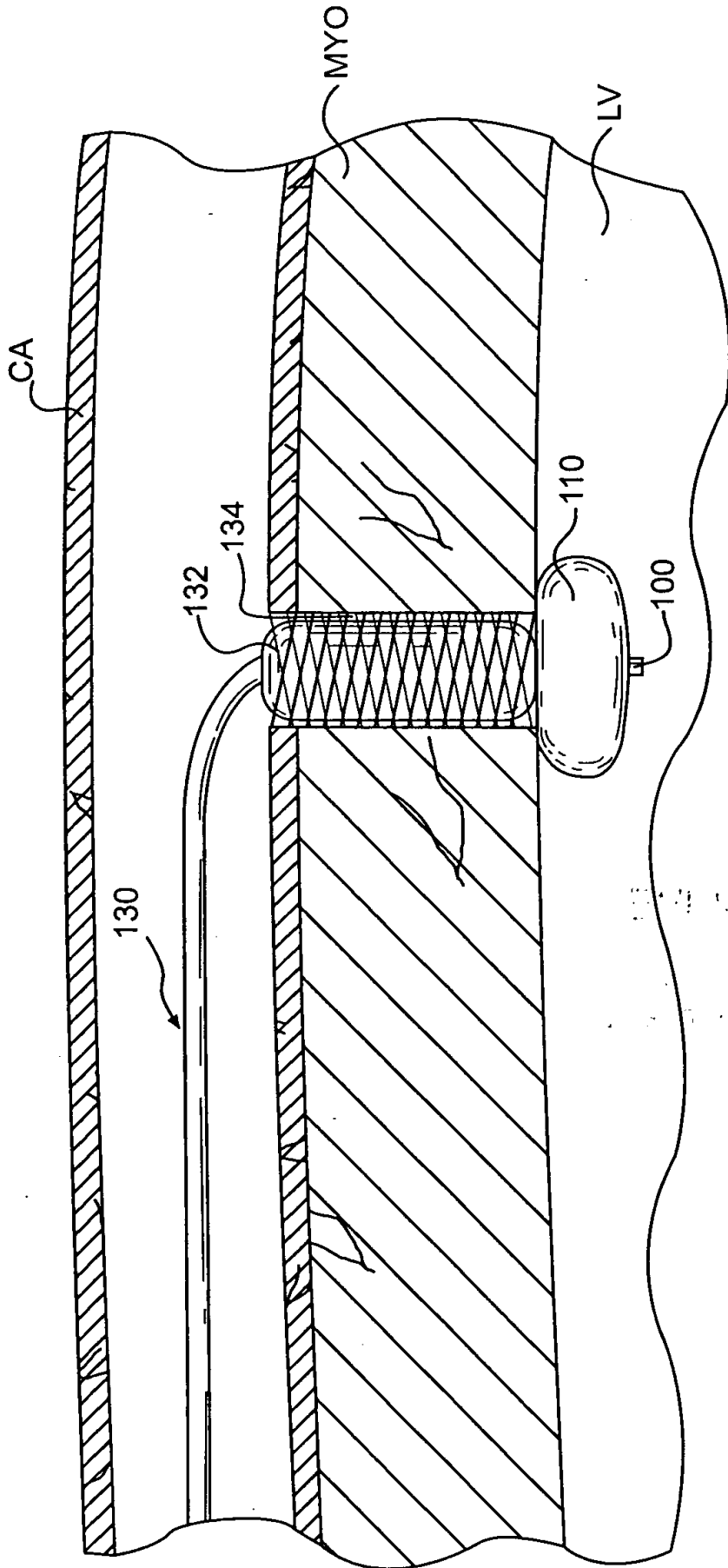


FIG. 23



REPLACEMENT SHEET

APPROVED	O.G. FIG.	CLASS	SUBCLASS
BY			
DRAFTSMAN			

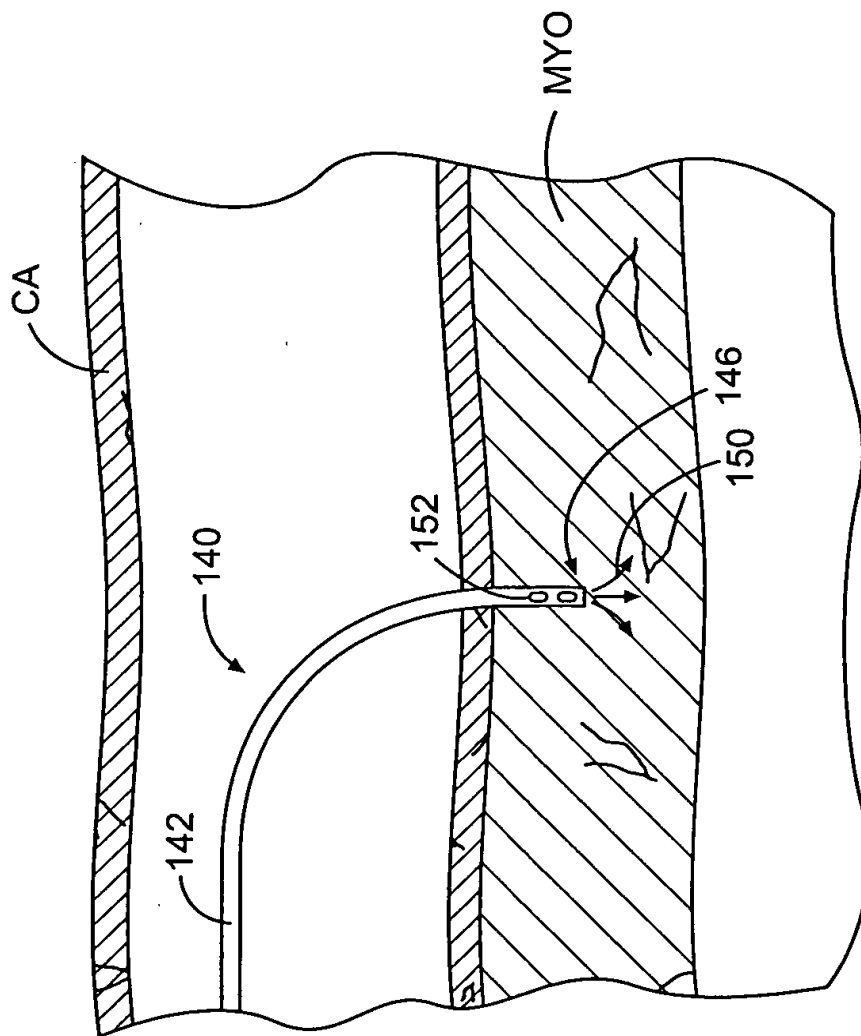


FIG. 24